

**FSD1216**

**Democratization and Power Resources  
1850-2000**

Codebook



FINNISH SOCIAL SCIENCE DATA ARCHIVE

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This codebook has been generated from the version 1.0 (10.3.2003) of the data.

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# To the reader

This codebook is part of the data FSD1216 archived at the FSD (Finnish Social Science Data Archive). The dataset has been described in as much detail as possible in Finnish and English. Variable frequencies, variable and value labels, and missing values have been checked. If necessary, the data have been anonymised. The data and its creators shall be cited in all publications and presentations for which the data have been used. The bibliographic citation may be in the form suggested by the archive or in the form required by the publication. The bibliographic citation suggested by the archive:

Vanhanen, Tatu (University of Tampere): Democratization and Power Resources 1850-2000 [dataset]. Version 1.0 (2003-03-10). Finnish Social Science Data Archive [distributor]. <http://urn.fi/urn:nbn:fi:fsd:T-FSD1216>

The user shall notify the archive of all publications where she or he has used the data. The original data creators and the archive bear no responsibility for any results or interpretations arising from the reuse of the data.

The codebook contains information on data content, structure and data collection, and includes a list of publications wholly or in part based on the data, according to publication information received by the FSD. The second part of the codebook contains information on variables: question texts, response options, and frequencies. The third part contains indexes.

Variable distributions presented in this codebook have been generated from the SPSS files. Distribution tables present variable values, frequencies (n), frequency percentages (%), and valid percentages (v. %) which take into account missing data. All distributions are unweighted. If the data contain weight variables, these will be found at the end of the variables list. In some cases frequency distributions have been substituted by descriptive statistics. Categorised responses to open-ended questions are not always included in the codebook. Distributions may contain missing data. The note "System missing (SYSMIS)" refers to missing observations (e.g. a respondent has not answered all questions) whereas "Missing (User missing)" refers to data the user has defined as missing. For example, the user may decide to code answer alternatives 'don't want to say' or 'can't say' as missing data.

The codebook may contain attached files, the most common one being the questionnaire.



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# Chapter 1

## Study description

### 1.1 Titles

**Titles and data version:** Democratization and Power Resources 1850-2000

**Titles and data version in Finnish:** Demokratisoituminen ja valtaresurssit 1850-2000

This codebook has been generated from the version 1.0 (10.3.2003) of the data.

### 1.2 Subject description

#### Other material

Background information: Original sources (pdf file)

The document contains bibliographic citations of publications that Vanhanen used in the books that form the basis of this data.

The Polyarchy Dataset: Vanhanen's Index of Democracy<sup>1</sup>

Part of the data (measures of democracy) have been published on the web pages of the International Peace Research Institute, Oslo (PRIO), by the name of 'The Polyarchy Dataset: Vanhanen's Index of Democracy'

#### Authoring entity

Vanhanen, Tatu (University of Tampere. Department of Political Science and International Relations)

#### Copyright statement for the data

In accordance with the agreement between FSD and the depositor.

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<sup>1</sup><http://www.prio.no/CSCW/Datasets/Governance/Vanhanens-index-of-democracy/>

### **Depositor**

Vanhanen, Tatu (University of Tampere. Department of Political Science and International Relations)

### **Date of deposit**

10.9.2002

### **Keywords**

agricultural society; competition; democracy; democratization; economic and social development; literacy; participation; political power; resources; rural population; students; urban population; urbanization

### **Topic Classification**

**Fields of Science Classification:** Social sciences

**CESSDA Classification:** Economic conditions and indicators; International politics and organisations

### **Series description**

The data belong to the series:

Individual datasets

Individual datasets that do not belong to any series.

### **Abstract**

This large longitudinal study is the result of professor Tatu Vanhanen's long-term research on democratization and power resources. International scientific community knows this data also by the name "Vanhanen's Index of Power Resources". The data have been collected from several written sources and have been published as appendices of five different books. The books are listed in the section Data sources below. The original sources of the numerical data published in these books have been collected to a separate document containing background information.

Vanhanen divides the variables of his dataset into two main groups. The first group consists of Measures of Democracy and includes three variables. The second group is called Measures of Resource Distribution.

The variables in the first group (Measures of Democracy) are Competition, Participation and Index of Democratization. The value of Competition is calculated by subtracting the percentage



of votes/seats gained by the largest political party in parliamentary elections and/or in presidential (executive) elections from 100%. The Participation variable is an aggregate of the turnout in elections (percentage of the total population who voted in the same election) and the number of referendums. Each national referendum raises the value of Participation by five percentage points and each state referendum by one percentage point for the year of the referendum. The upper limit for both variables is 70%. Index of Democratization is derived by first multiplying the above mentioned variables Competition and Participation and then dividing this product by 100.

Six variables are used to measure resource distribution: 1) Urban Population (%) (as a percentage of total population). 2) Non-Agricultural Population (%) (derived by subtracting the percentage of agricultural population from 100%). 3) Number of students: the variable denotes how many students there are in universities and other higher education institutions per 100.000 inhabitants of the country. Two ways are used to calculate the percentage of Students (%): before the year 1988 the value 1000 of the variable Number of students is equivalent to 100% and between the years 1988-1998 the value 5000 of the same variable is equivalent to 100%. 4) Literates (%) (as a percentage of adult population). 5) Family Farms Are (%) (as a percentage of total cultivated area or of total area of holdings). 6) Degree of Decentralization of Non-Agricultural Economic Resources. This variable has been calculated from the 1970s.

Three new variables have been derived from the above mentioned six variables. 1) Index of Occupational Diversification is derived by calculating the arithmetic mean of Urban Population and Non-Agricultural Population. 2) Index of Knowledge Distribution is derived by calculating the arithmetic mean of Students and Literates. 3) Index of Distribution of Economic Power Resources is derived by first multiplying the value of Family Farm Area with the percentage of agricultural population. Then the value of Degree of Decentralization of Non-Agricultural Economic Resources is multiplied with the percentage of Non-Agricultural Population. After this these two products are simply added up.

Finally two new variables have derived from the above mentioned variables. First derived variable is Index of Power Resources, calculated by multiplying the values of Index of Occupational Diversification, Index of Knowledge Distribution and Index of the Distribution of Economic Power Resources and then dividing the product by 10 000. The second derived variable Mean is the arithmetic mean of the five (from the 1970s six) explanatory variables. This differs from Index of Power Resources in that a low value of any single variable does not reduce the value of Mean to any great extent.

### 1.3 Structure and collection of the data

**Country:** United Arab Emirates, Afghanistan, Antigua and Barbuda, Albania, Armenia, Angola, Argentina, Austria, Australia, Azerbaijan, Bosnia and Herzegovina, Barbados, Bangladesh, Belgium, Burkina Faso, Bulgaria, Bahrain, Burundi, Benin, Brunei, Bolivia, Brazil, Bahamas, Bhutan, Botswana, Belarus, Belize, Canada, Congo (Zaire), Central African Republic, Congo (Brazzaville), Switzerland, Ivory Coast (Côte d'Ivoire), Chile, Cameroon, China, Colombia, Costa Rica, Czechoslovakia, Cuba, Cape Verde, Cyprus, Czech Republic, German Democratic Republic GDR, Germany, West-Germany, Djibouti, Denmark, Dominica, Dominican Republic, Algeria, Ecuador, Estonia, Egypt, Eritrea, Spain, Ethiopia, Finland, Fiji, Micronesia, France, Gabon, United Kingdom, Grenada, Georgia, Ghana, Gambia, Guinea, Equatorial Guinea, Greece,

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Guatemala, Guinea-Bissau, Guyana, Honduras, Croatia, Haiti, Hungary, Indonesia, Ireland, Israel, India, Iraq, Iran, Iceland, Italy, Jamaica, Jordan, Japan, Kenya, Kyrgyzstan, Cambodia, Kiribati, Comoros, Saint Kitts and Nevis, North Korea, South Korea, Kuwait, Kazakhstan, Laos, Lebanon, Saint Lucia, Sri Lanka, Liberia, Lesotho, Lithuania, Luxembourg, Latvia, Libya, Morocco, Moldova, Madagascar, Marshall Islands, Macedonia, Mali, Myanmar (Burma), Mongolia, Mauritania, Malta, Mauritius, Maldives, Malawi, Mexico, Malaysia, Mozambique, Namibia, Niger, Nigeria, Nicaragua, The Netherlands, Norway, Nepal, New Zealand, Oman, Panama, Peru, Papua New Guinea, Philippines, Pakistan, Poland, Portugal, Paraguay, Qatar, Romania, Russia, Rwanda, Saudi Arabia, Solomon Islands, Seychelles, Sudan, Sweden, Singapore, Slovenia, Slovakia, Sierra Leone, Senegal, Somalia, Serbia, Suriname, Sao Tome and Principe, Russia (USSR, Soviet Union), El Salvador, Syria, Swaziland, Chad, Togo, Thailand, Tajikistan, Turkmenistan, Tunisia, Tonga, Turkey, Trinidad and Tobago, Taiwan, Tanzania, Ukraine, Uganda, United States, Uruguay, Uzbekistan, Saint Vincent and the Grenadines, Venezuela, Vietnam, North Vietnam, South Vietnam, Western Samoa, Vanuatu, Yemen, South Yemen, North Yemen, Yugoslavia, South Africa, Zambia, Zimbabwe

**Geographic coverage:** Afghanistan, Albania, Algeria, Angola, Antigua and Barbuda, Argentina, Armenia, Australia, Austria, Azerbaijan, Bahamas, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Benin, Bhutan, Bolivia, Bosnia and Herzegovina, Botswana, Brazil, Brunei, Bulgaria, Burkina Faso, Myanmar (Burma), Burundi, Cambodia, Cameroon, Canada, Cape Verde, Central African Republic, Chad, Chile, China, Colombia, Comoros, Congo (Brazzaville), Congo (Zaire), Costa Rica, Ivory Coast (Côte d'Ivoire), Croatia, Cuba, Cyprus, Czech Republic, Czechoslovakia, Denmark, Djibouti, Dominica, Dominican Republic, Ecuador, Egypt, El Salvador, Equatorial Guinea, Eritrea, Estonia, Ethiopia, Fiji, Finland, France, Gabon, Gambia, German Democratic Republic GDR, Germany, West-Germany, Georgia, Ghana, Grenada, Greece, Guatemala, Guinea-Bissau, Guinea, Guyana, Haiti, Honduras, Hungary, Iceland, India, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kiribati, North Korea, South Korea, Kuwait, Kyrgyzstan, Laos, Latvia, Lebanon, Lesotho, Liberia, Libya, Lithuania, Macedonia, Luxemburg, Madagascar, Malawi, Malaysia, Maldives, Mali, Malta, Marshall Islands, Mauritania, Mauritius, Mexico, Micronesia, Moldova, Mongolia, Morocco, Mozambique, Namibia, Nepal, Netherlands, New Zealand, Nicaragua, Niger, Nigeria, Norway, Oman, Pakistan, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Qatar, Romania, Russia, Russia (USSR, Soviet Union), Rwanda, Western Samoa, Sao Tome and Principe, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Slovakia, Slovenia, Solomon Islands, Somalia, South Africa, Spain, Sri Lanka, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Sudan, Suriname, Swaziland, Sweden, Switzerland, Syria, Taiwan, Tajikistan, Tanzania, Thailand, Togo, Tonga, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Vanuatu, Venezuela, Vietnam, North Vietnam, South Vietnam, Yemen, North Yemen, South Yemen, Yugoslavia, Zambia, Zimbabwe

**Analysis or observation unit type:** Political-administrative area (Country)

**Universe:** The countries mentioned above

**Collection date:** 1979 – 2003

**Data collector(s):** Vanhanen, Tatu (University of Tampere. Department of Political Science and International Relations)

**Mode of data collection:** Compilation/Synthesis

**Type of research instrument:** Data collection guidelines: Secondary data collection guide

**Time period covered:** 1850 – 2000

**Time method of the data collection:** Time series

**Number of variables and cases:** The data contain 245 variables and 196 cases.

**Sampling procedure:** Total universe/Complete enumeration

The data contains information on all states found in openly available public documents.

**Data sources:** Vanhanen, Tatu (1979). *Power and the means of power : a study of 119 Asian, European, American, and African states, 1850-1975*. Ann Arbor : University Microfilm International. Appendix C, D, E, F, I & bibliography, pp. 267-385.

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## 1.4 Use of data

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- White, P. B., Vidovic, D., González, B., Gleditsch, K. S., & Cunningham, D. E. (2015). Nonviolence as a weapon of the resourceful: From claims to tactics in mobilization. *Mobilization: An International Quarterly*, 20(4), 471-491. <https://doi.org/10.17813/1086-671X-20-4-471>
- Wills-Johnson, Nick (2010). Lessons for sustainability from the world's most sustainable culture. *Environment, Development and Sustainability* 12(6), 909-925. doi:10.1007/s10668-010-9231-2

Updated list of publications in the study description at

[https://services.fsd.uta.fi/catalogue/FSD1216?lang=en&study\\_language=en](https://services.fsd.uta.fi/catalogue/FSD1216?lang=en&study_language=en)

## Related studies

FSD1289 Measures of Democracy 1810-2004

FSD2140 Gender-Weighted Index of Democratization 1995-2004

FSD2420 Index of Power Resources (IPR) 2007

## 1. Study description

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### **Location of the data collection**

Finnish Social Science Data Archive

### **Weighting**

There are no weight variables in the data.

### **Restrictions**

The dataset is (A) openly available for all users without registration (CC BY 4.0).



# Chapter 2

## Variables

### [FSD\_NO] FSD study number

#### Question

*FSD study number*

#### Descriptive statistics

statistic	value
number of valid cases	196
minimum	1216.00
maximum	1216.00
mean	1216.00
standard deviation	0.00

### [FSD\_VR] FSD edition number

#### Question

*FSD edition number*

#### Descriptive statistics

statistic	value
number of valid cases	196
minimum	1.00
maximum	1.00
mean	1.00
standard deviation	0.00

### **[FSD\_ID] FSD case id**

#### **Question**

*FSD case id*

#### **Descriptive statistics**

statistic	value
number of valid cases	196
minimum	1.00
maximum	196.00
mean	98.50
standard deviation	56.72

### **[FSD\_LI] FSD license CC BY 4.0**

#### **Question**

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### **[BV1] Country**

#### **Question**

*Country*

### **[Q1\_1] Competition (1858)**

#### **Question**

*Competition (1858)*

#### **Descriptive statistics**

statistic	value
number of valid cases	40
minimum	0.00
maximum	55.00
mean	12.49
standard deviation	18.52

**[Q1\_2] Participation (1858)****Question***Participation (1858)***Descriptive statistics**

statistic	value
number of valid cases	40
minimum	0.00
maximum	23.80
mean	2.62
standard deviation	5.47

**[Q1\_3] Index of Democratization (1858)****Question***Index of Democratization (1858)***Descriptive statistics**

statistic	value
number of valid cases	40
minimum	0.00
maximum	7.90
mean	0.73
standard deviation	1.72

**[Q1\_4] Urban Population (%) (1858)****Question***Urban Population (%) (1858)***Descriptive statistics**

statistic	value
number of valid cases	37
minimum	0.00

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## 2. Variables

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statistic	value
maximum	35.00
mean	7.27
standard deviation	6.62

### **[Q1\_5] Non-Agricultural Population (%) (1858)**

#### **Question**

*Non-Agricultural Population (%) (1858)*

#### **Descriptive statistics**

statistic	value
number of valid cases	37
minimum	5.00
maximum	72.00
mean	23.11
standard deviation	16.34

### **[Q1\_6] Index of Occupational Diversification (1858)**

#### **Question**

*Index of Occupational Diversification (1858)*

#### **Descriptive statistics**

statistic	value
number of valid cases	37
minimum	4.50
maximum	53.50
mean	15.20
standard deviation	10.79

### **[Q1\_7] Students (1858)**

#### **Question**

*Students (1858)*

**Descriptive statistics**

statistic	value
number of valid cases	37
minimum	0.00
maximum	100.00
mean	23.16
standard deviation	24.65

**[Q1\_8] Students (%) (1858)****Question***Students (%) (1858)***Descriptive statistics**

statistic	value
number of valid cases	37
minimum	0.00
maximum	10.00
mean	2.32
standard deviation	2.48

**[Q1\_9] Literates (%) (1858)****Question***Literates (%) (1858)***Descriptive statistics**

statistic	value
number of valid cases	37
minimum	1.00
maximum	90.00
mean	24.68
standard deviation	29.15

**[Q1\_10] Index of Knowledge Distribution (1858)****Question***Index of Knowledge Distribution (1858)*

## 2. Variables

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### **Descriptive statistics**

statistic	value
number of valid cases	37
minimum	0.50
maximum	47.50
mean	13.54
standard deviation	15.40

### **[Q1\_11] Family Farms (%) (1858)**

#### **Question**

*Family Farms (%) (1858)*

#### **Descriptive statistics**

statistic	value
number of valid cases	37
minimum	0.00
maximum	64.00
mean	17.62
standard deviation	16.82

### **[Q1\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1858)**

#### **Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1858)*

No valid values

### **[Q1\_13] Index of Distribution of Economic Power Resources (1858)**

#### **Question**

*Index of Distribution of Economic Power Resources (1858)*

#### **Descriptive statistics**

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statistic	value
number of valid cases	37
minimum	0.00
maximum	64.00
mean	17.62
standard deviation	16.82

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### [Q1\_14] Index of Power Resources (1858)

#### Question

*Index of Power Resources (1858)*

#### Descriptive statistics

statistic	value
number of valid cases	37
minimum	0.00
maximum	6.10
mean	0.96
standard deviation	1.70

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### [Q1\_15] Mean (1858)

#### Question

*Mean (1858)*

#### Descriptive statistics

statistic	value
number of valid cases	37
minimum	3.80
maximum	38.60
mean	15.00
standard deviation	12.03

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### [Q2\_1] Competition (1868)

#### Question

*Competition (1868)*

### Descriptive statistics

statistic	value
number of valid cases	43
minimum	0.00
maximum	51.30
mean	16.19
standard deviation	18.13

### [Q2\_2] Participation (1868)

#### Question

*Participation (1868)*

### Descriptive statistics

statistic	value
number of valid cases	43
minimum	0.00
maximum	21.70
mean	2.16
standard deviation	4.22

### [Q2\_3] Index of Democratization (1868)

#### Question

*Index of Democratization (1868)*

### Descriptive statistics

statistic	value
number of valid cases	43
minimum	0.00
maximum	7.00
mean	0.60
standard deviation	1.29

### [Q2\_4] Urban Population (%) (1868)

#### Question

*Urban Population (%) (1868)*



**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	0.00
maximum	38.00
mean	8.41
standard deviation	7.43

**[Q2\_5] Non-Agricultural Population (%) (1868)****Question**

*Non-Agricultural Population (%) (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	5.00
maximum	76.00
mean	26.08
standard deviation	17.63

**[Q2\_6] Index of Occupational Diversification (1868)****Question**

*Index of Occupational Diversification (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	4.50
maximum	57.00
mean	17.24
standard deviation	11.78

**[Q2\_7] Students (1868)****Question**

*Students (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	0.00
maximum	100.00
mean	25.18
standard deviation	23.88

**[Q2\_8] Students (%) (1868)**

**Question**

*Students (%) (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	0.00
maximum	10.00
mean	2.49
standard deviation	2.38

**[Q2\_9] Literates (%) (1868)**

**Question**

*Literates (%) (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	1.00
maximum	91.00
mean	27.92
standard deviation	30.40

**[Q2\_10] Index of Knowledge Distribution (1868)**

**Question**

*Index of Knowledge Distribution (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	0.50
maximum	48.50
mean	15.21
standard deviation	15.92

**[Q2\_11] Family Farms (%) (1868)****Question**

*Family Farms (%) (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39
minimum	0.00
maximum	64.00
mean	18.82
standard deviation	17.93

**[Q2\_12] Degree of Decentralization (1868)****Question**

*Degree of Decentralization (1868)*

No valid values

**[Q2\_13] Index of Distribution of Economic Power Resources (1868)****Question**

*Index of Distribution of Economic Power Resources (1868)*

**Descriptive statistics**

statistic	value
number of valid cases	39

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## 2. Variables

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statistic	value
minimum	0.00
maximum	64.00
mean	18.82
standard deviation	17.93

### [Q2\_14] Index of Power Resources (1868)

#### Question

*Index of Power Resources (1868)*

#### Descriptive statistics

statistic	value
number of valid cases	39
minimum	0.00
maximum	7.30
mean	1.26
standard deviation	2.16

### [Q2\_15] Mean (1868)

#### Question

*Mean (1868)*

#### Descriptive statistics

statistic	value
number of valid cases	39
minimum	4.00
maximum	40.60
mean	16.74
standard deviation	12.88

### [Q3\_1] Competition (1878)

#### Question

*Competition (1878)*

**Descriptive statistics**

statistic	value
number of valid cases	46
minimum	0.00
maximum	52.10
mean	14.94
standard deviation	18.48

**[Q3\_2] Participation (1878)****Question***Participation (1878)***Descriptive statistics**

statistic	value
number of valid cases	46
minimum	0.00
maximum	21.50
mean	2.56
standard deviation	4.71

**[Q3\_3] Index of Democratization (1878)****Question***Index of Democratization (1878)***Descriptive statistics**

statistic	value
number of valid cases	46
minimum	0.00
maximum	9.80
mean	0.93
standard deviation	2.23

**[Q3\_4] Urban Population (%) (1878)****Question***Urban Population (%) (1878)*

**Descriptive statistics**

statistic	value
number of valid cases	41
minimum	0.00
maximum	42.00
mean	9.80
standard deviation	8.44

**[Q3\_5] Non-Agricultural Population (%) (1878)**

**Question**

*Non-Agricultural Population (%) (1878)*

**Descriptive statistics**

statistic	value
number of valid cases	41
minimum	5.00
maximum	80.00
mean	29.12
standard deviation	18.11

**[Q3\_6] Index of Occupational Diversification (1878)**

**Question**

*Index of Occupational Diversification (1878)*

**Descriptive statistics**

statistic	value
number of valid cases	41
minimum	4.50
maximum	61.00
mean	19.48
standard deviation	12.49

**[Q3\_7] Students (1878)**

**Question**

*Students (1878)*

**Descriptive statistics**

statistic	value
number of valid cases	41
minimum	0.00
maximum	130.00
mean	27.37
standard deviation	27.16

**[Q3\_8] Students (%) (1878)****Question***Students (%) (1878)***Descriptive statistics**

statistic	value
number of valid cases	41
minimum	0.00
maximum	13.00
mean	2.71
standard deviation	2.68

**[Q3\_9] Literates (%) (1878)****Question***Literates (%) (1878)***Descriptive statistics**

statistic	value
number of valid cases	41
minimum	1.00
maximum	93.00
mean	32.29
standard deviation	31.83

**[Q3\_10] Index of Knowledge Distribution (1878)****Question***Index of Knowledge Distribution (1878)*

### **Descriptive statistics**

statistic	value
number of valid cases	41
minimum	0.50
maximum	49.50
mean	17.50
standard deviation	16.74

### **[Q3\_11] Family Farms (%) (1878)**

#### **Question**

*Family Farms (%) (1878)*

### **Descriptive statistics**

statistic	value
number of valid cases	41
minimum	0.00
maximum	67.00
mean	20.83
standard deviation	18.42

### **[Q3\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1878)**

#### **Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1878)*

No valid values

### **[Q3\_13] Index of Distribution of Economic Power Resources (1878)**

#### **Question**

*Index of Distribution of Economic Power Resources (1878)*

### **Descriptive statistics**



statistic	value
number of valid cases	41
minimum	0.00
maximum	67.00
mean	20.83
standard deviation	18.42

### [Q3\_14] Index of Power Resources (1878)

#### Question

*Index of Power Resources (1878)*

#### Descriptive statistics

statistic	value
number of valid cases	41
minimum	0.00
maximum	9.50
mean	1.65
standard deviation	2.64

### [Q3\_15] Mean (1878)

#### Question

*Mean (1878)*

#### Descriptive statistics

statistic	value
number of valid cases	41
minimum	4.20
maximum	44.20
mean	18.96
standard deviation	13.54

### [Q4\_1] Competition (1888)

#### Question

*Competition (1888)*

### Descriptive statistics

statistic	value
number of valid cases	46
minimum	0.00
maximum	59.30
mean	17.52
standard deviation	19.35

### [Q4\_2] Participation (1888)

#### Question

*Participation (1888)*

### Descriptive statistics

statistic	value
number of valid cases	46
minimum	0.00
maximum	20.40
mean	3.41
standard deviation	5.03

### [Q4\_3] Index of Democratization (1888)

#### Question

*Index of Democratization (1888)*

### Descriptive statistics

statistic	value
number of valid cases	46
minimum	0.00
maximum	9.80
mean	1.21
standard deviation	2.34

### [Q4\_4] Urban Population (%) (1888)

#### Question

*Urban Population (%) (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	0.00
maximum	48.00
mean	11.10
standard deviation	8.62

**[Q4\_5] Non-Agricultural Population (%) (1888)****Question**

*Non-Agricultural Population (%) (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	5.00
maximum	82.00
mean	30.81
standard deviation	18.34

**[Q4\_6] Index of Occupational Diversification (1888)****Question**

*Index of Occupational Diversification (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	5.00
maximum	65.00
mean	20.95
standard deviation	12.84

**[Q4\_7] Students (1888)****Question**

*Students (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	0.00
maximum	231.00
mean	36.19
standard deviation	43.62

**[Q4\_8] Students (%) (1888)**

**Question**

*Students (%) (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	0.00
maximum	23.00
mean	3.62
standard deviation	4.38

**[Q4\_9] Literates (%) (1888)**

**Question**

*Literates (%) (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	1.00
maximum	94.00
mean	35.24
standard deviation	32.15

**[Q4\_10] Index of Knowledge Distribution (1888)**

**Question**

*Index of Knowledge Distribution (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	0.50
maximum	53.00
mean	19.43
standard deviation	17.25

**[Q4\_11] Family Farms (%) (1888)****Question**

*Family Farms (%) (1888)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	1.00
maximum	71.00
mean	22.07
standard deviation	18.16

**[Q4\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1888)****Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1888)*

No valid values

**[Q4\_13] Index of Distribution of Economic Power Resources (1888)****Question**

*Index of Distribution of Economic Power Resources (1888)*

**Descriptive statistics**

## 2. Variables

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statistic	value
number of valid cases	42
minimum	1.00
maximum	71.00
mean	22.07
standard deviation	18.16

### [Q4\_14] Index of Power Resources (1888)

#### Question

*Index of Power Resources (1888)*

#### Descriptive statistics

statistic	value
number of valid cases	42
minimum	0.00
maximum	11.10
mean	1.93
standard deviation	3.06

### [Q4\_15] Mean (1888)

#### Question

*Mean (1888)*

#### Descriptive statistics

statistic	value
number of valid cases	42
minimum	5.60
maximum	47.20
mean	20.50
standard deviation	13.83

### [Q5\_1] Competition (1898)

#### Question

*Competition (1898)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	0.00
maximum	69.50
mean	19.84
standard deviation	21.46

**[Q5\_2] Participation (1898)****Question***Participation (1898)***Descriptive statistics**

statistic	value
number of valid cases	47
minimum	0.00
maximum	26.70
mean	4.66
standard deviation	6.82

**[Q5\_3] Index of Democratization (1898)****Question***Index of Democratization (1898)***Descriptive statistics**

statistic	value
number of valid cases	47
minimum	0.00
maximum	13.60
mean	1.86
standard deviation	3.55

**[Q5\_4] Urban Population (%) (1898)****Question***Urban Population (%) (1898)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	0.00
maximum	56.00
mean	13.26
standard deviation	9.84

**[Q5\_5] Non-Agricultural Population (%) (1898)**

**Question**

*Non-Agricultural Population (%) (1898)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	5.00
maximum	84.00
mean	33.24
standard deviation	19.23

**[Q5\_6] Index of Occupational Diversification (1898)**

**Question**

*Index of Occupational Diversification (1898)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	5.00
maximum	70.00
mean	23.25
standard deviation	13.88

**[Q5\_7] Students (1898)**

**Question**

*Students (1898)*



**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	0.00
maximum	249.00
mean	39.48
standard deviation	44.19

**[Q5\_8] Students (%) (1898)****Question***Students (%) (1898)***Descriptive statistics**

statistic	value
number of valid cases	42
minimum	0.00
maximum	25.00
mean	3.88
standard deviation	4.40

**[Q5\_9] Literates (%) (1898)****Question***Literates (%) (1898)***Descriptive statistics**

statistic	value
number of valid cases	42
minimum	1.00
maximum	96.00
mean	39.45
standard deviation	32.73

**[Q5\_10] Index of Knowledge Distribution (1898)****Question***Index of Knowledge Distribution (1898)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	1.00
maximum	56.00
mean	21.69
standard deviation	17.68

**[Q5\_11] Family Farms (%) (1898)**

**Question**

*Family Farms (%) (1898)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	1.00
maximum	74.00
mean	22.14
standard deviation	18.27

**[Q5\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1898)**

**Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1898)*

No valid values

**[Q5\_13] Index of Distribution of Economic Power Resources (1898)**

**Question**

*Index of Distribution of Economic Power Resources (1898)*

**Descriptive statistics**

statistic	value
number of valid cases	42
minimum	1.00
maximum	74.00
mean	22.14
standard deviation	18.27

### [Q5\_14] Index of Power Resources (1898)

#### Question

*Index of Power Resources (1898)*

#### Descriptive statistics

statistic	value
number of valid cases	42
minimum	0.00
maximum	13.80
mean	2.33
standard deviation	3.60

### [Q5\_15] Mean (1898)

#### Question

*Mean (1898)*

#### Descriptive statistics

statistic	value
number of valid cases	42
minimum	5.80
maximum	50.80
mean	22.36
standard deviation	14.45

### [Q6\_1] Competition (1908)

#### Question

*Competition (1908)*

### Descriptive statistics

statistic	value
number of valid cases	52
minimum	0.00
maximum	70.00
mean	22.66
standard deviation	23.54

### [Q6\_2] Participation (1908)

#### Question

*Participation (1908)*

### Descriptive statistics

statistic	value
number of valid cases	52
minimum	0.00
maximum	55.30
mean	6.26
standard deviation	9.80

### [Q6\_3] Index of Democratization (1908)

#### Question

*Index of Democratization (1908)*

### Descriptive statistics

statistic	value
number of valid cases	52
minimum	0.00
maximum	22.70
mean	2.82
standard deviation	4.96

### [Q6\_4] Urban Population (%) (1908)

#### Question

*Urban Population (%) (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	4.00
maximum	58.00
mean	16.21
standard deviation	11.22

**[Q6\_5] Non-Agricultural Population (%) (1908)****Question**

*Non-Agricultural Population (%) (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	6.00
maximum	86.00
mean	37.09
standard deviation	20.82

**[Q6\_6] Index of Occupational Diversification (1908)****Question**

*Index of Occupational Diversification (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	6.00
maximum	72.00
mean	26.54
standard deviation	15.35

**[Q6\_7] Students (1908)****Question**

*Students (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	0.00
maximum	313.00
mean	45.91
standard deviation	50.78

**[Q6\_8] Students (%) (1908)**

**Question**

*Students (%) (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	0.00
maximum	31.00
mean	4.49
standard deviation	5.06

**[Q6\_9] Literates (%) (1908)**

**Question**

*Literates (%) (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	2.00
maximum	96.00
mean	45.15
standard deviation	32.46

**[Q6\_10] Index of Knowledge Distribution (1908)**

**Question**

*Index of Knowledge Distribution (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	1.50
maximum	60.00
mean	24.85
standard deviation	17.80

**[Q6\_11] Family Farms (%) (1908)****Question**

*Family Farms (%) (1908)*

**Descriptive statistics**

statistic	value
number of valid cases	47
minimum	1.00
maximum	77.00
mean	24.40
standard deviation	19.51

**[Q6\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1908)****Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1908)*

No valid values

**[Q6\_13] Index of Distribution of Economic Power Resources (1908)****Question**

*Index of Distribution of Economic Power Resources (1908)*

**Descriptive statistics**

## 2. Variables

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statistic	value
number of valid cases	47
minimum	1.00
maximum	77.00
mean	24.40
standard deviation	19.51

### [Q6\_14] Index of Power Resources (1908)

#### Question

*Index of Power Resources (1908)*

#### Descriptive statistics

statistic	value
number of valid cases	47
minimum	0.00
maximum	16.80
mean	3.18
standard deviation	4.75

### [Q6\_15] Mean (1908)

#### Question

*Mean (1908)*

#### Descriptive statistics

statistic	value
number of valid cases	47
minimum	7.00
maximum	54.20
mean	25.60
standard deviation	15.31

### [Q7\_1] Competition (1918)

#### Question

*Competition (1918)*



**Descriptive statistics**

statistic	value
number of valid cases	58
minimum	0.00
maximum	70.00
mean	23.89
standard deviation	26.36

**[Q7\_2] Participation (1918)****Question***Participation (1918)***Descriptive statistics**

statistic	value
number of valid cases	58
minimum	0.00
maximum	46.60
mean	8.85
standard deviation	11.21

**[Q7\_3] Index of Democratization (1918)****Question***Index of Democratization (1918)***Descriptive statistics**

statistic	value
number of valid cases	58
minimum	0.00
maximum	24.70
mean	4.05
standard deviation	6.58

**[Q7\_4] Urban Population (%) (1918)****Question***Urban Population (%) (1918)*

### Descriptive statistics

statistic	value
number of valid cases	51
minimum	0.00
maximum	62.00
mean	17.31
standard deviation	12.29

### [Q7\_5] Non-Agricultural Population (%) (1918)

#### Question

*Non-Agricultural Population (%) (1918)*

### Descriptive statistics

statistic	value
number of valid cases	51
minimum	5.00
maximum	88.00
mean	38.94
standard deviation	21.73

### [Q7\_6] Index of Occupational Diversification (1918)

#### Question

*Index of Occupational Diversification (1918)*

### Descriptive statistics

statistic	value
number of valid cases	51
minimum	3.00
maximum	75.00
mean	28.13
standard deviation	16.48

### [Q7\_7] Students (1918)

#### Question

*Students (1918)*

**Descriptive statistics**

statistic	value
number of valid cases	51
minimum	0.00
maximum	384.00
mean	52.65
standard deviation	58.42

**[Q7\_8] Students (%) (1918)****Question***Students (%) (1918)***Descriptive statistics**

statistic	value
number of valid cases	51
minimum	0.00
maximum	38.00
mean	5.16
standard deviation	5.84

**[Q7\_9] Literates (%) (1918)****Question***Literates (%) (1918)***Descriptive statistics**

statistic	value
number of valid cases	51
minimum	1.00
maximum	98.00
mean	48.33
standard deviation	33.05

**[Q7\_10] Index of Knowledge Distribution (1918)****Question***Index of Knowledge Distribution (1918)*

**Descriptive statistics**

statistic	value
number of valid cases	51
minimum	0.50
maximum	65.00
mean	26.77
standard deviation	18.40

**[Q7\_11] Family Farms (%) (1918)**

**Question**

*Family Farms (%) (1918)*

**Descriptive statistics**

statistic	value
number of valid cases	51
minimum	1.00
maximum	80.00
mean	24.96
standard deviation	19.70

**[Q7\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1918)**

**Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1918)*

No valid values

**[Q7\_13] Index of Distribution of Economic Power Resources (1918)**

**Question**

*Index of Distribution of Economic Power Resources (1918)*

**Descriptive statistics**

statistic	value
number of valid cases	51
minimum	1.00
maximum	80.00
mean	24.96
standard deviation	19.70

### [Q7\_14] Index of Power Resources (1918)

#### Question

*Index of Power Resources (1918)*

#### Descriptive statistics

statistic	value
number of valid cases	51
minimum	0.00
maximum	19.90
mean	3.67
standard deviation	5.48

### [Q7\_15] Mean (1918)

#### Question

*Mean (1918)*

#### Descriptive statistics

statistic	value
number of valid cases	51
minimum	3.40
maximum	58.40
mean	26.83
standard deviation	15.96

### [Q8\_1] Competition (1928)

#### Question

*Competition (1928)*

**Descriptive statistics**

statistic	value
number of valid cases	65
minimum	0.00
maximum	70.00
mean	28.91
standard deviation	28.42

**[Q8\_2] Participation (1928)**

**Question**

*Participation (1928)*

**Descriptive statistics**

statistic	value
number of valid cases	65
minimum	0.00
maximum	55.00
mean	16.24
standard deviation	17.36

**[Q8\_3] Index of Democratization (1928)**

**Question**

*Index of Democratization (1928)*

**Descriptive statistics**

statistic	value
number of valid cases	65
minimum	0.00
maximum	35.00
mean	8.71
standard deviation	11.28

**[Q8\_4] Urban Population (%) (1928)**

**Question**

*Urban Population (%) (1928)*

**Descriptive statistics**

statistic	value
number of valid cases	61
minimum	0.00
maximum	64.00
mean	18.93
standard deviation	14.07

**[Q8\_5] Non-Agricultural Population (%) (1928)****Question**

*Non-Agricultural Population (%) (1928)*

**Descriptive statistics**

statistic	value
number of valid cases	61
minimum	5.00
maximum	93.00
mean	38.87
standard deviation	22.51

**[Q8\_6] Index of Occupational Diversification (1928)****Question**

*Index of Occupational Diversification (1928)*

**Descriptive statistics**

statistic	value
number of valid cases	61
minimum	3.50
maximum	78.50
mean	28.89
standard deviation	17.87

**[Q8\_7] Students (1928)****Question**

*Students (1928)*

### Descriptive statistics

statistic	value
number of valid cases	61
minimum	0.00
maximum	384.00
mean	58.98
standard deviation	62.58

### [Q8\_8] Students (%) (1928)

#### Question

*Students (%) (1928)*

### Descriptive statistics

statistic	value
number of valid cases	61
minimum	0.00
maximum	38.00
mean	5.77
standard deviation	6.27

### [Q8\_9] Literates (%) (1928)

#### Question

*Literates (%) (1928)*

### Descriptive statistics

statistic	value
number of valid cases	61
minimum	1.00
maximum	98.00
mean	50.13
standard deviation	34.43

### [Q8\_10] Index of Knowledge Distribution (1928)

#### Question

*Index of Knowledge Distribution (1928)*



**Descriptive statistics**

statistic	value
number of valid cases	61
minimum	0.50
maximum	66.00
mean	28.00
standard deviation	19.53

**[Q8\_11] Family Farms (%) (1928)****Question**

*Family Farms (%) (1928)*

**Descriptive statistics**

statistic	value
number of valid cases	61
minimum	1.00
maximum	82.00
mean	28.54
standard deviation	20.03

**[Q8\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1928)****Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1928)*

No valid values

**[Q8\_13] Index of Distribution of Economic Power Resources (1928)****Question**

*Index of Distribution of Economic Power Resources (1928)*

**Descriptive statistics**

## 2. Variables

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statistic	value
number of valid cases	61
minimum	1.00
maximum	82.00
mean	28.54
standard deviation	20.03

### [Q8\_14] Index of Power Resources (1928)

#### Question

*Index of Power Resources (1928)*

#### Descriptive statistics

statistic	value
number of valid cases	61
minimum	0.00
maximum	22.80
mean	4.33
standard deviation	6.13

### [Q8\_15] Mean (1928)

#### Question

*Mean (1928)*

#### Descriptive statistics

statistic	value
number of valid cases	61
minimum	3.40
maximum	61.40
mean	28.28
standard deviation	16.76

### [Q9\_1] Competition (1938)

#### Question

*Competition (1938)*

**Descriptive statistics**

statistic	value
number of valid cases	66
minimum	0.00
maximum	70.00
mean	20.81
standard deviation	25.98

**[Q9\_2] Participation (1938)****Question***Participation (1938)***Descriptive statistics**

statistic	value
number of valid cases	66
minimum	0.00
maximum	60.60
mean	16.84
standard deviation	20.20

**[Q9\_3] Index of Democratization (1938)****Question***Index of Democratization (1938)***Descriptive statistics**

statistic	value
number of valid cases	66
minimum	0.00
maximum	40.10
mean	7.30
standard deviation	11.49

**[Q9\_4] Urban Population (%) (1938)****Question***Urban Population (%) (1938)*

### Descriptive statistics

statistic	value
number of valid cases	62
minimum	0.00
maximum	69.00
mean	20.45
standard deviation	14.88

### [Q9\_5] Non-Agricultural Population (%) (1938)

#### Question

*Non-Agricultural Population (%) (1938)*

### Descriptive statistics

statistic	value
number of valid cases	62
minimum	5.00
maximum	94.00
mean	40.56
standard deviation	22.92

### [Q9\_6] Index of Occupational Diversification (1938)

#### Question

*Index of Occupational Diversification (1938)*

### Descriptive statistics

statistic	value
number of valid cases	62
minimum	3.50
maximum	81.50
mean	30.50
standard deviation	18.52

### [Q9\_7] Students (1938)

#### Question

*Students (1938)*

**Descriptive statistics**

statistic	value
number of valid cases	62
minimum	0.00
maximum	562.00
mean	86.27
standard deviation	96.94

**[Q9\_8] Students (%) (1938)****Question***Students (%) (1938)***Descriptive statistics**

statistic	value
number of valid cases	62
minimum	0.00
maximum	56.00
mean	8.53
standard deviation	9.64

**[Q9\_9] Literates (%) (1938)****Question***Literates (%) (1938)***Descriptive statistics**

statistic	value
number of valid cases	62
minimum	1.00
maximum	99.00
mean	52.98
standard deviation	34.67

**[Q9\_10] Index of Knowledge Distribution (1938)****Question***Index of Knowledge Distribution (1938)*

## 2. Variables

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### Descriptive statistics

statistic	value
number of valid cases	62
minimum	0.50
maximum	75.50
mean	30.74
standard deviation	20.92

### [Q9\_11] Family Farms (%) (1938)

#### Question

*Family Farms (%) (1938)*

### Descriptive statistics

statistic	value
number of valid cases	62
minimum	1.00
maximum	84.00
mean	32.27
standard deviation	22.75

### [Q9\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1938)

#### Question

*Degree of Decentralization of Non-Agricultural Economic Resources (1938)*

No valid values

### [Q9\_13] Index of Distribution of Economic Power Resources (1938)

#### Question

*Index of Distribution of Economic Power Resources (1938)*

### Descriptive statistics

statistic	value
number of valid cases	62
minimum	1.00
maximum	84.00
mean	32.27
standard deviation	22.75

### [Q9\_14] Index of Power Resources (1938)

#### Question

*Index of Power Resources (1938)*

#### Descriptive statistics

statistic	value
number of valid cases	62
minimum	0.00
maximum	28.80
mean	5.55
standard deviation	7.70

### [Q9\_15] Mean (1938)

#### Question

*Mean (1938)*

#### Descriptive statistics

statistic	value
number of valid cases	62
minimum	4.40
maximum	67.40
mean	30.98
standard deviation	17.89

### [Q10\_1] Competition (1948)

#### Question

*Competition (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	76
minimum	0.00
maximum	70.00
mean	28.52
standard deviation	26.11

**[Q10\_2] Participation (1948)**

**Question**

*Participation (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	76
minimum	0.00
maximum	63.20
mean	21.90
standard deviation	21.47

**[Q10\_3] Index of Democratization (1948)**

**Question**

*Index of Democratization (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	76
minimum	0.00
maximum	34.70
mean	8.79
standard deviation	11.34

**[Q10\_4] Urban Population (%) (1948)**

**Question**

*Urban Population (%) (1948)*



**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	0.00
maximum	69.00
mean	21.85
standard deviation	14.62

**[Q10\_5] Non-Agricultural Population (%) (1948)****Question**

*Non-Agricultural Population (%) (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	5.00
maximum	94.00
mean	42.96
standard deviation	22.90

**[Q10\_6] Index of Occupational Diversification (1948)****Question**

*Index of Occupational Diversification (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	3.50
maximum	81.50
mean	32.34
standard deviation	18.16

**[Q10\_7] Students (1948)****Question**

*Students (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	0.00
maximum	894.00
mean	102.58
standard deviation	126.94

**[Q10\_8] Students (%) (1948)**

**Question**

*Students (%) (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	0.00
maximum	89.00
mean	10.16
standard deviation	12.67

**[Q10\_9] Literates (%) (1948)**

**Question**

*Literates (%) (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	2.00
maximum	99.00
mean	53.62
standard deviation	33.48

**[Q10\_10] Index of Knowledge Distribution (1948)**

**Question**

*Index of Knowledge Distribution (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	1.00
maximum	92.50
mean	31.88
standard deviation	21.51

**[Q10\_11] Family Farms (%) (1948)****Question**

*Family Farms (%) (1948)*

**Descriptive statistics**

statistic	value
number of valid cases	73
minimum	1.00
maximum	86.00
mean	35.04
standard deviation	21.93

**[Q10\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1948)****Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1948)*

No valid values

**[Q10\_13] Index of Distribution of Economic Power Resources (1948)****Question**

*Index of Distribution of Economic Power Resources (1948)*

**Descriptive statistics**

## 2. Variables

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statistic	value
number of valid cases	73
minimum	1.00
maximum	86.00
mean	35.04
standard deviation	21.94

### [Q10\_14] Index of Power Resources (1948)

#### Question

*Index of Power Resources (1948)*

#### Descriptive statistics

statistic	value
number of valid cases	73
minimum	0.00
maximum	39.40
mean	6.22
standard deviation	8.76

### [Q10\_15] Mean (1948)

#### Question

*Mean (1948)*

#### Descriptive statistics

statistic	value
number of valid cases	73
minimum	4.60
maximum	76.20
mean	32.71
standard deviation	17.71

### [Q11\_1] Competition (1958)

#### Question

*Competition (1958)*

**Descriptive statistics**

statistic	value
number of valid cases	92
minimum	0.00
maximum	70.00
mean	27.37
standard deviation	26.75

**[Q11\_2] Participation (1958)****Question***Participation (1958)***Descriptive statistics**

statistic	value
number of valid cases	92
minimum	0.00
maximum	68.00
mean	28.75
standard deviation	22.48

**[Q11\_3] Index of Democratization (1958)****Question***Index of Democratization (1958)***Descriptive statistics**

statistic	value
number of valid cases	92
minimum	0.00
maximum	35.40
mean	9.99
standard deviation	11.85

**[Q11\_4] Urban Population (%) (1958)****Question***Urban Population (%) (1958)*

## 2. Variables

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### Descriptive statistics

statistic	value
number of valid cases	85
minimum	2.00
maximum	69.00
mean	24.16
standard deviation	15.84

### [Q11\_5] Non-Agricultural Population (%) (1958)

#### Question

*Non-Agricultural Population (%) (1958)*

#### Descriptive statistics

statistic	value
number of valid cases	85
minimum	6.00
maximum	95.00
mean	44.80
standard deviation	23.24

### [Q11\_6] Index of Occupational Diversification (1958)

#### Question

*Index of Occupational Diversification (1958)*

#### Descriptive statistics

statistic	value
number of valid cases	85
minimum	4.00
maximum	82.00
mean	34.47
standard deviation	19.15

### [Q11\_7] Students (1958)

#### Question

*Students (1958)*

**Descriptive statistics**

statistic	value
number of valid cases	85
minimum	0.00
maximum	1123.00
mean	114.74
standard deviation	151.60

**[Q11\_8] Students (%) (1958)****Question***Students (%) (1958)***Descriptive statistics**

statistic	value
number of valid cases	85
minimum	0.00
maximum	100.00
mean	11.32
standard deviation	14.22

**[Q11\_9] Literates (%) (1958)****Question***Literates (%) (1958)***Descriptive statistics**

statistic	value
number of valid cases	85
minimum	2.00
maximum	99.00
mean	56.78
standard deviation	33.48

**[Q11\_10] Index of Knowledge Distribution (1958)****Question***Index of Knowledge Distribution (1958)*

**Descriptive statistics**

statistic	value
number of valid cases	85
minimum	1.00
maximum	98.50
mean	34.04
standard deviation	21.78

**[Q11\_11] Family Farms (%) (1958)**

**Question**

*Family Farms (%) (1958)*

**Descriptive statistics**

statistic	value
number of valid cases	85
minimum	1.00
maximum	92.00
mean	41.53
standard deviation	25.18

**[Q11\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1958)**

**Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1958)*

No valid values

**[Q11\_13] Index of Distribution of Economic Power Resources (1958)**

**Question**

*Index of Distribution of Economic Power Resources (1958)*

**Descriptive statistics**



statistic	value
number of valid cases	85
minimum	1.00
maximum	92.00
mean	41.53
standard deviation	25.18

### [Q11\_14] Index of Power Resources (1958)

#### Question

*Index of Power Resources (1958)*

#### Descriptive statistics

statistic	value
number of valid cases	85
minimum	0.00
maximum	49.30
mean	8.10
standard deviation	11.15

### [Q11\_15] Mean (1958)

#### Question

*Mean (1958)*

#### Descriptive statistics

statistic	value
number of valid cases	85
minimum	5.80
maximum	81.60
mean	35.58
standard deviation	18.53

### [Q12\_1] Competition (1968)

#### Question

*Competition (1968)*

### Descriptive statistics

statistic	value
number of valid cases	136
minimum	0.00
maximum	70.00
mean	23.01
standard deviation	26.32

### [Q12\_2] Participation (1968)

#### Question

*Participation (1968)*

### Descriptive statistics

statistic	value
number of valid cases	136
minimum	0.00
maximum	70.00
mean	25.27
standard deviation	22.16

### [Q12\_3] Index of Democratization (1968)

#### Question

*Index of Democratization (1968)*

### Descriptive statistics

statistic	value
number of valid cases	136
minimum	0.00
maximum	38.70
mean	8.21
standard deviation	11.14

### [Q12\_4] Urban Population (%) (1968)

#### Question

*Urban Population (%) (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	1.00
maximum	69.00
mean	23.99
standard deviation	17.48

**[Q12\_5] Non-Agricultural Population (%) (1968)****Question**

*Non-Agricultural Population (%) (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	5.00
maximum	98.00
mean	42.56
standard deviation	26.32

**[Q12\_6] Index of Occupational Diversification (1968)****Question**

*Index of Occupational Diversification (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	3.00
maximum	82.50
mean	33.22
standard deviation	21.40

**[Q12\_7] Students (1968)****Question**

*Students (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	0.00
maximum	1740.00
mean	149.21
standard deviation	225.58

**[Q12\_8] Students (%) (1968)**

**Question**

*Students (%) (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	0.00
maximum	100.00
mean	14.20
standard deviation	18.74

**[Q12\_9] Literates (%) (1968)**

**Question**

*Literates (%) (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	1.00
maximum	99.00
mean	52.06
standard deviation	35.06

**[Q12\_10] Index of Knowledge Distribution (1968)**

**Question**

*Index of Knowledge Distribution (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	0.50
maximum	99.00
mean	33.27
standard deviation	25.11

**[Q12\_11] Family Farms (%) (1968)****Question**

*Family Farms (%) (1968)*

**Descriptive statistics**

statistic	value
number of valid cases	117
minimum	0.00
maximum	93.00
mean	35.70
standard deviation	24.55

**[Q12\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1968)****Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1968)*

No valid values

**[Q12\_13] Index of Distribution of Economic Power Resources (1968)****Question**

*Index of Distribution of Economic Power Resources (1968)*

**Descriptive statistics**

## 2. Variables

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statistic	value
number of valid cases	117
minimum	0.00
maximum	93.00
mean	35.70
standard deviation	24.55

### [Q12\_14] Index of Power Resources (1968)

#### Question

*Index of Power Resources (1968)*

#### Descriptive statistics

statistic	value
number of valid cases	117
minimum	0.00
maximum	53.80
mean	7.38
standard deviation	12.18

### [Q12\_15] Mean (1968)

#### Question

*Mean (1968)*

#### Descriptive statistics

statistic	value
number of valid cases	117
minimum	6.80
maximum	84.20
mean	33.63
standard deviation	20.12

### [Q13\_1] Competition (1978)

#### Question

*Competition (1978)*

**Descriptive statistics**

statistic	value
number of valid cases	153
minimum	0.00
maximum	70.00
mean	19.62
standard deviation	25.20

**[Q13\_2] Participation (1978)****Question***Participation (1978)***Descriptive statistics**

statistic	value
number of valid cases	153
minimum	0.00
maximum	71.40
mean	25.77
standard deviation	24.01

**[Q13\_3] Index of Democratization (1978)****Question***Index of Democratization (1978)***Descriptive statistics**

statistic	value
number of valid cases	153
minimum	0.00
maximum	42.90
mean	8.21
standard deviation	12.63

**[Q13\_4] Urban Population (%) (1978)****Question***Urban Population (%) (1978)*

**Descriptive statistics**

statistic	value
number of valid cases	118
minimum	1.00
maximum	72.00
mean	28.29
standard deviation	18.52

**[Q13\_5] Non-Agricultural Population (%) (1978)**

**Question**

*Non-Agricultural Population (%) (1978)*

**Descriptive statistics**

statistic	value
number of valid cases	118
minimum	8.00
maximum	99.00
mean	48.40
standard deviation	26.61

**[Q13\_6] Index of Occupational Diversification (1978)**

**Question**

*Index of Occupational Diversification (1978)*

**Descriptive statistics**

statistic	value
number of valid cases	118
minimum	5.00
maximum	83.00
mean	38.65
standard deviation	21.97

**[Q13\_7] Students (1978)**

**Question**

*Students (1978)*



**Descriptive statistics**

statistic	value
number of valid cases	118
minimum	0.00
maximum	1779.00
mean	228.80
standard deviation	275.25

**[Q13\_8] Students (%) (1978)****Question***Students (%) (1978)***Descriptive statistics**

statistic	value
number of valid cases	118
minimum	0.00
maximum	100.00
mean	22.19
standard deviation	24.55

**[Q13\_9] Literates (%) (1978)****Question***Literates (%) (1978)***Descriptive statistics**

statistic	value
number of valid cases	118
minimum	2.00
maximum	99.00
mean	57.23
standard deviation	34.30

**[Q13\_10] Index of Knowledge Distribution (1978)****Question***Index of Knowledge Distribution (1978)*

**Descriptive statistics**

statistic	value
number of valid cases	118
minimum	1.00
maximum	99.50
mean	39.73
standard deviation	27.31

**[Q13\_11] Family Farms (%) (1978)**

**Question**

*Family Farms (%) (1978)*

**Descriptive statistics**

statistic	value
number of valid cases	118
minimum	0.00
maximum	94.00
mean	36.49
standard deviation	24.39

**[Q13\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1978)**

**Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1978)*

No valid values

**[Q13\_13] Index of Distribution of Economic Power Resources (1978)**

**Question**

*Index of Distribution of Economic Power Resources (1978)*

**Descriptive statistics**

statistic	value
number of valid cases	118
minimum	0.00
maximum	94.00
mean	36.53
standard deviation	24.40

### [Q13\_14] Index of Power Resources (1978)

#### Question

*Index of Power Resources (1978)*

#### Descriptive statistics

statistic	value
number of valid cases	118
minimum	0.00
maximum	55.90
mean	9.26
standard deviation	14.02

### [Q13\_15] Mean (1978)

#### Question

*Mean (1978)*

#### Descriptive statistics

statistic	value
number of valid cases	118
minimum	8.20
maximum	85.40
mean	38.45
standard deviation	21.01

### [Q14\_1] Competition (1988)

#### Question

*Competition (1988)*

### Descriptive statistics

statistic	value
number of valid cases	162
minimum	0.00
maximum	70.00
mean	24.18
standard deviation	25.71

### [Q14\_2] Participation (1988)

#### Question

*Participation (1988)*

### Descriptive statistics

statistic	value
number of valid cases	162
minimum	0.00
maximum	70.00
mean	30.01
standard deviation	23.38

### [Q14\_3] Index of Democratization (1988)

#### Question

*Index of Democratization (1988)*

### Descriptive statistics

statistic	value
number of valid cases	162
minimum	0.00
maximum	45.40
mean	10.38
standard deviation	13.41

### [Q14\_4] Urban Population (%) (1988)

#### Question

*Urban Population (%) (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	2.00
maximum	100.00
mean	43.73
standard deviation	24.95

**[Q14\_5] Non-Agricultural Population (%) (1988)****Question**

*Non-Agricultural Population (%) (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	7.00
maximum	98.00
mean	54.37
standard deviation	27.97

**[Q14\_6] Index of Occupational Diversification (1988)****Question**

*Index of Occupational Diversification (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	5.50
maximum	99.00
mean	48.95
standard deviation	25.53

**[Q14\_7] Students (1988)****Question**

*Students (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	0.00
maximum	5313.00
mean	868.34
standard deviation	921.37

**[Q14\_8] Students (%) (1988)**

**Question**

*Students (%) (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	0.00
maximum	100.00
mean	17.35
standard deviation	18.18

**[Q14\_9] Literates (%) (1988)**

**Question**

*Literates (%) (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	6.00
maximum	100.00
mean	64.13
standard deviation	28.84

**[Q14\_10] Index of Knowledge Distribution (1988)**

**Question**

*Index of Knowledge Distribution (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	3.50
maximum	99.50
mean	40.75
standard deviation	21.75

**[Q14\_11] Family Farms (%) (1988)****Question**

*Family Farms (%) (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	0.00
maximum	95.00
mean	46.09
standard deviation	22.82

**[Q14\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1988)****Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (1988)*

**Descriptive statistics**

statistic	value
number of valid cases	146
minimum	0.00
maximum	80.00
mean	27.55
standard deviation	21.73

### [Q14\_13] Index of Distribution of Economic Power Resources (1988)

#### Question

*Index of Distribution of Economic Power Resources (1988)*

#### Descriptive statistics

statistic	value
number of valid cases	146
minimum	0.00
maximum	79.30
mean	39.33
standard deviation	20.04

### [Q14\_14] Index of Power Resources (1988)

#### Question

*Index of Power Resources (1988)*

#### Descriptive statistics

statistic	value
number of valid cases	146
minimum	0.00
maximum	52.20
mean	10.40
standard deviation	13.92

### [Q14\_15] Mean (1988)

#### Question

*Mean (1988)*

#### Descriptive statistics

statistic	value
number of valid cases	146
minimum	14.80

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statistic	value
maximum	81.50
mean	42.27
standard deviation	18.16

### [Q15\_1] Competition (1998)

#### Question

*Competition (1998)*

#### Descriptive statistics

statistic	value
number of valid cases	184
minimum	0.00
maximum	70.00
mean	37.60
standard deviation	23.84

### [Q15\_2] Participation (1998)

#### Question

*Participation (1998)*

#### Descriptive statistics

statistic	value
number of valid cases	184
minimum	0.00
maximum	70.00
mean	34.02
standard deviation	18.90

### [Q15\_3] Index of Democratization (1998)

#### Question

*Index of Democratization (1998)*

**Descriptive statistics**

statistic	value
number of valid cases	184
minimum	0.00
maximum	44.40
mean	15.70
standard deviation	12.97

**[Q15\_4] Urban Population (%) (1998)**

**Question**

*Urban Population (%) (1998)*

**Descriptive statistics**

statistic	value
number of valid cases	172
minimum	5.00
maximum	100.00
mean	49.27
standard deviation	23.59

**[Q15\_5] Non-Agricultural Population (%) (1998)**

**Question**

*Non-Agricultural Population (%) (1998)*

**Descriptive statistics**

statistic	value
number of valid cases	172
minimum	8.00
maximum	99.00
mean	62.90
standard deviation	27.23

**[Q15\_6] Index of Occupational Diversification (1998)**

**Question**

*Index of Occupational Diversification (1998)*

**Descriptive statistics**

statistic	value
number of valid cases	172
minimum	7.00
maximum	99.50
mean	56.05
standard deviation	24.47

**[Q15\_7] Students (1998)****Question***Students (1998)***Descriptive statistics**

statistic	value
number of valid cases	172
minimum	0.00
maximum	7195.00
mean	1193.82
standard deviation	1131.27

**[Q15\_8] Students (%) (1998)****Question***Students (%) (1998)***Descriptive statistics**

statistic	value
number of valid cases	172
minimum	0.00
maximum	100.00
mean	23.60
standard deviation	20.94

**[Q15\_9] Literates (%) (1998)****Question***Literates (%) (1998)*

**Descriptive statistics**

statistic	value
number of valid cases	172
minimum	18.00
maximum	99.00
mean	73.83
standard deviation	24.24

**[Q15\_10] Index of Knowledge Distribution (1998)**

**Question**

*Index of Knowledge Distribution (1998)*

**Descriptive statistics**

statistic	value
number of valid cases	172
minimum	9.50
maximum	99.50
mean	48.64
standard deviation	20.66

**[Q15\_11] Family Farms (%) (1998)**

**Question**

*Family Farms (%) (1998)*

**Descriptive statistics**

statistic	value
number of valid cases	172
minimum	0.00
maximum	98.00
mean	47.22
standard deviation	23.35

### [Q15\_12] Degree of Decentralization of Non-Agricultural Economic Resources (1998)

#### Question

*Degree of Decentralization of Non-Agricultural Economic Resources (1998)*

#### Descriptive statistics

statistic	value
number of valid cases	172
minimum	1.00
maximum	80.00
mean	33.67
standard deviation	19.45

### [Q15\_13] Index of Distribution of Economic Power Resources (1998)

#### Question

*Index of Distribution of Economic Power Resources (1998)*

#### Descriptive statistics

statistic	value
number of valid cases	172
minimum	2.40
maximum	79.60
mean	41.08
standard deviation	18.24

### [Q15\_14] Index of Power Resources (1998)

#### Question

*Index of Power Resources (1998)*

#### Descriptive statistics

statistic	value
number of valid cases	172

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statistic	value
minimum	0.40
maximum	53.50
mean	13.52
standard deviation	14.65

### [Q15\_15] Mean (1998)

#### Question

*Mean (1998)*

#### Descriptive statistics

statistic	value
number of valid cases	172
minimum	14.80
maximum	85.50
mean	48.37
standard deviation	16.97

### [Q16\_1] Competition (2000)

#### Question

*Competition (2000)*

#### Descriptive statistics

statistic	value
number of valid cases	184
minimum	0.00
maximum	70.00
mean	36.89
standard deviation	23.30

### [Q16\_2] Participation (2000)

#### Question

*Participation (2000)*

**Descriptive statistics**

statistic	value
number of valid cases	184
minimum	0.00
maximum	70.00
mean	33.72
standard deviation	19.06

**[Q16\_3] Index of Democratization (2000)****Question**

*Index of Democratization (2000)*

**Descriptive statistics**

statistic	value
number of valid cases	184
minimum	0.00
maximum	45.60
mean	15.30
standard deviation	12.50

**[Q16\_4] Urban Population (%) (2000)****Question**

*Urban Population (%) (2000)*

No valid values

**[Q16\_5] Non-Agricultural Population (%) (2000)****Question**

*Non-Agricultural Population (%) (2000)*

No valid values

**[Q16\_6] Index of Occupational Diversification (2000)****Question**

*Index of Occupational Diversification (2000)*

## 2. Variables

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No valid values

### **[Q16\_7] Students (2000)**

#### **Question**

*Students (2000)*

No valid values

### **[Q16\_8] Students (%) (2000)**

#### **Question**

*Students (%) (2000)*

No valid values

### **[Q16\_9] Literates (%) (2000)**

#### **Question**

*Literates (%) (2000)*

No valid values

### **[Q16\_10] Index of Knowledge Distribution (2000)**

#### **Question**

*Index of Knowledge Distribution (2000)*

No valid values

### **[Q16\_11] Family Farms (%) (2000)**

#### **Question**

*Family Farms (%) (2000)*

No valid values



**[Q16\_12] Degree of Decentralization of Non-Agricultural Economic Resources (2000)**

**Question**

*Degree of Decentralization of Non-Agricultural Economic Resources (2000)*

No valid values

**[Q16\_13] Index of Distribution of Economic Power Resources (2000)**

**Question**

*Index of Distribution of Economic Power Resources (2000)*

No valid values

**[Q16\_14] Index of Power Resources (2000)**

**Question**

*Index of Power Resources (2000)*

No valid values

**[Q16\_15] Mean (2000)**

**Question**

*Mean (2000)*

No valid values



# Chapter 3

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# **Appendix A**

## **Background information**

FSD1216 DEMOKRATISOITUMINEN JA VALTARESSURSSIT 1850-2000

FSD1216 DEMOCRATIZATION AND POWER RESOURCES 1850-2000

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Tämä dokumentti on osa yllä mainittua Yhteiskuntatieteelliseen tietoaarkistoon arkistoitua tutkimusaineistoa.

Dokumenttia hyödyntävien tulee viitata siihen asianmukaisesti lähdeviitteellä.

Lisätiedot: <http://www.fsd.uta.fi/>

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This document forms a part of the above mentioned dataset, archived at the Finnish Social Science Data Archive.

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Detta dokument utgör en del av den ovannämnda datamängden, arkiverad på Finlands samhällsvetenskapliga dataarkiv.

Om dokument är utnyttjat eller refererat till måste källan anges i form av bibliografisk referens.

Mer information: <http://www.fsd.uta.fi/>

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# FSD1216 Democratization and Power Resources 1850-2000

## Original sources used in data collection

This document contains a list of publications/sources from which Tatu Vanhanen collected the data which form the original basis of the dataset FSD1216 Democratization and Power Resources 1850-2000.

### **Original sources were reported in the following books:**

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