

## M4D Data Quality Check

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### Detail

**Dataset:** 20132012-11-05-14-03-19\_SeGi\_I-6ESPONindicatorsSeGi\_syntaxChecked.xls

Check date: 2013/03/21

Checked by: AC/MC

NUTS level 2:

NUTS date 2006:

### General

Data for NUT0 and NUTS2 regions are both present in the dataset. This quality check is concerned solely with the NUTS2 data. The spreadsheet contains the four usual worksheets **Dataset**, **Indicator**, **Source** and **Data**. A fifth object, named **SPSS**, cannot be seen in Excel but is visible when the spreadsheet is loaded into ArcGIS 10.1 and R (using the RODBC package).

### Variables in the dataset (from Indicator worksheet)

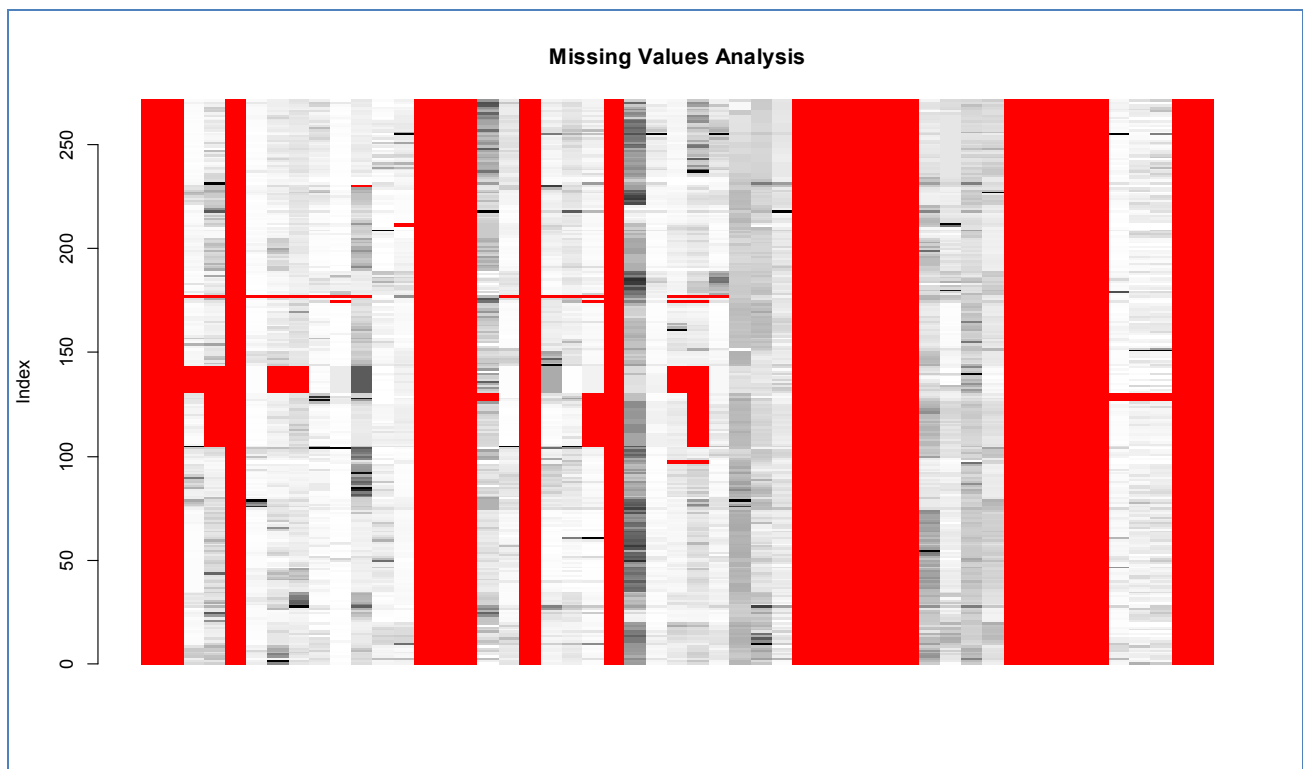
| Indicator Name                         | Data Type    | Data Values                        |
|--|--------------|------------------------------------|
| ene-prod_abs_rtd                       | float        | TOE/inhabitants                    |
| ene-ren_sh_rtp<br>production           | float        | renewable energy production/energy |
| ene-supply_abs_rtd                     | float        | Units/inhabitants                  |
| ene-supply_abs2_rtd                    | float        | Employed persons/inhabitants       |
| ene-price_abs_rtd                      | float        | €/kWh                              |
| env-wat_abs_rtd                        | float        | Units/inhabitants                  |
| env-sew_abs_rtd                        | float        | Units/inhabitants                  |
| env-was_abs_rtd                        | float        | Units/inhabitants                  |
| tra-air_abs_rtd                        | float        | Units/inhabitants                  |
| tra-wat_abs_rtd                        | float        | Units/inhabitants                  |
| tra-lan_abs_rtd                        | float        | Units/inhabitants                  |
| tra-mot_abs_rtd                        | float        | length/area                        |
| tra-rod_abs_rtd                        | float        | length/area                        |
| tra-ral_abs_rtd                        | float        | length/area                        |
| <b>frg-rod_abs_rtd</b>                 | <b>float</b> | <b>tonne-km/inhabitants</b>        |
| <b>frg-ral_abs_rtd</b>                 | <b>float</b> | <b>tonne-km/inhabitants</b>        |
| tra-bus_abs_rtd                        | float        | Number/inhabitants                 |
| tra-pos_abs_rtd                        | float        | Units/inhabitants                  |
| tra-pri_abs_rtc                        | float        | €                                  |
| brc-rtv_abs_rtd                        | float        | Units/inhabitants                  |
| inf-tel_abs_rtd                        | float        | Units/inhabitants                  |
| inf-tel_abs2_rtd                       | float        | Employed persons/inhabitants       |
| inf-pri_abs_rtc                        | float        | €                                  |
| bro-hsd_sh_rtp<br>broadband/households | float        | Households with access to          |
| ser-cos_abs_rtd                        | float        | Employed persons/inhabitants       |
| ser-vet_abs_rtd                        | float        | Units/inhabitants                  |
| ser-vet_abs2_rtd                       | float        | Employed persons/inhabitants       |
| ser-emp_abs_rtd                        | float        | Units/inhabitants                  |
| edu-enr_abs_rtd                        | float        | Students/population group          |
| edu-enr_abs2_rtd                       | float        | Students/population group          |
| edu-enr_abs3_rtd                       | float        | Students/population group          |
| edu-str_abs_rtd                        | float        | Students/teachers                  |
| edu-str2_abs_rtd                       | float        | Students/teachers                  |
| edu-scl_abs_rtd                        | float        | Students/classes                   |

|                                 |              |  |
|---------------------------------|--------------|--|
| edu-scl2_abs_rtd                | float        | Students/classes                               |
| edu-pri_abs_rtd                 | float        | EU27 = 100                                     |
| edu-exp_abs_rtd                 | float        | PPS/inhabitants                                |
| hst-bed_abs_rtd                 | float        | Beds/inhabitants                               |
| hst-bed2_abs_rtd                | float        | Beds/inhabitants                               |
| drs-pop_abs_rtd                 | float        | physician and doctors/inhabitants              |
| nrs-pop_abs_rtd                 | float        | nurses and midwives/inhabitants                |
| hlt-exp_abs_rtd                 | float        | expenditures/inhabitants                       |
| cre-chi_sh_rtp                  | float        | children in care/population age group          |
| cre-chi2_sh_rtp                 | float        | children in care/population age group          |
| cre-chi3_sh_rtp                 | float        | children in care/population age group          |
| cre-chi4_sh_rtp                 | float        | children in care/population age group          |
| clt-fcl_abs_rtd                 | float        | Number of facilities/inhabitants               |
| spt-sta_abs_rtd                 | float        | Number of stadiums/inhabitants                 |
| spt-sta_abs2_rtd                | float        | Seats/inhabitants                              |
| hou-exp_abs_rtd                 | float        | expenditures/inhabitants                       |
| <b>hou-ovb_sh_rtp</b>           | <b>float</b> | <b>persons with cost overburden/persons of</b> |
| <b>permanent risk of pverty</b> |              |  |

The metadata for frg-rod\_abs\_rtd, frg-ral\_abs\_rtd and hou-ovb\_sh\_rtp contain spelling errors. The spelling of **inhabitants** and **poverty** needs to be corrected. These are highlighted in the list above.

## Missing values

Values are coded as not present for some areas.



All NUTS2 values are missing for (shown as a red column in the display above)

Indicator ene-prod\_abs\_rtd2009: 271 (100%)  
Indicator ene-ren\_sh\_rtp: 271 (100%)  
Indicator ene-price\_abs\_rtd: 271 (100%)  
Indicator tra-ral\_abs\_rtd: 271 (100%)  
Indicator frg-rod\_abs\_rtd: 271 (100%)  
Indicator frg-ral\_abs\_rtd: 271 (100%)

Indicator tra-pri\_abs\_rtc: 271 (100%)  
 Indicator inf-pri\_abs\_rtc: 271 (100%)  
 Indicator edu-str\_abs\_rtd: 271 (100%)  
 Indicator edu-str2\_abs\_rtd: 271 (100%)  
 Indicator edu-scl\_abs\_rtd: 271 (100%)  
 Indicator edu-scl2\_abs\_rtd: 271 (100%)  
 Indicator edu-pri\_abs\_rtd: 271 (100%)  
 Indicator edu-exp\_abs\_rtd: 271 (100%)  
 Indicator hlt-exp\_abs\_rtd: 271 (100%)  
 Indicator cre-chi2\_sh\_rtp: 271 (100%)  
 Indicator cre-chi3\_sh\_rtp: 271 (100%)  
 Indicator cre-chi4\_sh\_rtp: 271 (100%)  
 Indicator hou-exp\_abs\_rtd: 271 (100%)  
 Indicator hou-ovb\_sh\_rtp: 271 (100%)

#### Portions of the NUTS2 values are missing for

Indicator ene-supply\_abs\_rtd2009: 14 (5.17%) Greece, Malta  
 Indicator ene-supply\_abs2\_rtd2009: 40 (14.76%) France, Greece, Malta  
 Indicator env-wat\_abs\_rtd2009: 1 (0.37%) Malta  
 Indicator env-sew\_abs\_rtd2009: 14 (5.17%) Greece, Malta  
 Indicator tra-air\_abs\_rtd2009: 1 (0.37%) Malta  
 Indicator env-was\_abs\_rtd2009: 14 (5.17%) Greece, Malta  
 Indicator tra-wat\_abs\_rtd2009: 2 (0.74%) Luxembourg, Malta  
 Indicator tra-lan\_abs\_rtd2009: 2 (0.74%) Zahodna Slovenija, Malta  
 Indicator tra-rod\_abs\_rtd2009: 2 (0.74%) Portugal: Acores, Madeira  
 Indicator tra-pos\_abs\_rtd2009: 1 (0.37%) Malta  
 Indicator tra-bus\_abs\_rtd2009: 4 (1.48%) France Departements d'Outre Mer  
 Indicator brc-rtv\_abs\_rtd2009: 1 (0.37%) Malta  
 Indicator inf-tel\_abs\_rtd2009: 1 (0.37%) Malta  
 Indicator inf-tel\_abs2\_rtd2009: 28 (10.33%) France, Luxembourg, Malta  
 Indicator ser-vet\_abs\_rtd2009: 17 (6.27%) Greece, Luxembourg, Malta  
 Indicator ser-vet\_abs2\_rtd2009: 43 (15.87%) Spain: Ceuta, Melilla, France, Greece  
 Luxembourg, Malta  
 Indicator ser-emp\_abs\_rtd2009: 1 (0.37%) Malta  
 Indicator clt-fcl\_abs\_rtd2006: 4 (1.48%) France Departements d'Outre Mer  
 Indicator spt-sta\_abs\_rtd2009: 4 (1.48%) France Departements d'Outre Mer  
 Indicator spt-sta\_abs2\_rtd2009: 4 (1.48%) France Departements d'Outre Mer

#### All NUTS2 data are present for the following variables:

Indicator tra-mot\_abs\_rtd2009: 0 (0%)  
 Indicator bro-hsd\_sh\_rtp2010: 0 (0%)  
 Indicator ser-cos\_abs\_rtd2009: 0 (0%)  
 Indicator edu-enr\_abs\_rtd2009: 0 (0%)  
 Indicator edu-enr\_abs2\_rtd2009: 0 (0%)  
 Indicator edu-enr\_abs3\_rtd2009: 0 (0%)  
 Indicator hst-bed\_abs\_rtd2008: 0 (0%)  
 Indicator hst-bed2\_abs\_rtd2008: 0 (0%)  
 Indicator drs-pop\_abs\_rtd2008: 0 (0%)  
 Indicator nrs-pop\_abs\_rtd2008: 0 (0%)

## Duplicated Rows

The following regions appear to have duplicated data for **ALL** variables:

| NUTSCode | NUTS Region Name |
|----------|------------------|
| DK01     | Hovedstaden      |
| DK02     | Sjælland         |
| DK03     | Syddanmark       |

DK04 Midtjylland  
 DK05 Nordjylland

The following regions appear to have duplicated data for a subset of variables:

CH01 Région lémanique  
 CH02 Espace Mittelland  
 CH03 Nordwestschweiz  
 CH04 Zürich  
 CH05 Ostschweiz  
 CH06 Zentralschweiz  
 CH07 Ticino

## Potentially Anomalous values

A number of regions appear to have potentially anomalous values – either unusually high or unusually low. These values may well be correct, even though the data check has identified them as unusual.

### Data check for ene-prod\_abs\_rtd

All data missing for this variable at NUTS2

### Data check for ene-ren\_sh\_rtp

All data missing for this variable at NUTS2

### Data check for ene-supply\_abs\_rtd

| Min.   | 1st Qu. | Median | Mean    | 3rd Qu. | Max.     | NA's    |
|--------|---------|--------|---------|---------|----------|---------|
| 0.1255 | 2.7640  | 5.0770 | 11.2800 | 13.1100 | 107.9000 | 25.0000 |

| Code | Value        |                                      |
|------|--------------|--------------------------------------|
| AT11 | ... 32.84849 | ... Burgenland (A)                   |
| AT21 | ... 45.84333 | ... Kärnten                          |
| AT22 | ... 43.06493 | ... Steiermark                       |
| AT31 | ... 38.28693 | ... Oberösterreich                   |
| AT32 | ... 45.91689 | ... Salzburg                         |
| AT33 | ... 45.56604 | ... Tirol                            |
| DK03 | ... 43.67879 | ... Syddanmark                       |
| DK04 | ... 52.49525 | ... Midtjylland                      |
| DK05 | ... 65.45912 | ... Nordjylland                      |
| ES22 | ... 61.67355 | ... Comunidad Foral de Navarra       |
| ES23 | ... 40.22577 | ... La Rioja                         |
| ES24 | ... 30.06695 | ... Aragón                           |
| ES30 | ... 45.7664  | ... Comunidad de Madrid              |
| ES41 | ... 42.54056 | ... Castilla y León                  |
| ES42 | ... 87.01469 | ... Castilla-La Mancha               |
| ES43 | ... 40.26141 | ... Extremadura                      |
| FI20 | ... 43.70629 | ... Åland                            |
| FR10 | ... 107.9234 | ... Île de France                    |
| FR92 | ... 29.59374 | ... Martinique                       |
| IS00 | ... 40.07916 | ... Ísland                           |
| ITC2 | ... 59.81191 | ... Valle d'Aosta/Vallée d'Aoste     |
| ITD1 | ... 47.90952 | ... Provincia Autonoma Bolzano/Bozen |
| NO05 | ... 42.91611 | ... Vestlandet                       |
| NO07 | ... 33.44662 | ... Nord-Norge                       |
| SE21 | ... 37.13464 | ... Småland med öarna                |
| SE23 | ... 31.97059 | ... Västsverige                      |
| SE31 | ... 53.08132 | ... Norra Mellansverige              |

SE32 ... 59.68634 ... Mellersta Norrland  
 SE33 ... 39.40972 ... Övre Norrland

#### Data check for ene-supply\_abs2\_rtd

| Min.  | 1st Qu. | Median | Mean   | 3rd Qu. | Max.   | NA's  |
|-------|---------|--------|--------|---------|--------|-------|
| 19.32 | 123.40  | 210.70 | 237.00 | 329.70  | 853.40 | 52.00 |

| Code | Value                             |
|------|-----------------------------------|
| BG41 | ... 771.3322 ... Yugozapaden      |
| DE25 | ... 747.8313 ... Mittelfranken    |
| RO32 | ... 769.298 ... Bucuresti - Ilfov |
| SK01 | ... 853.42 ... Bratislavský kraj  |

#### Data check for ene-price\_abs\_rtd

All data missing for this variable at NUTS2

#### Data check for env-wat\_abs\_rtd

| Min.  | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's   |
|-------|---------|--------|-------|---------|--------|--------|
| 0.000 | 1.059   | 1.898  | 4.063 | 4.476   | 58.220 | 12.000 |

| Code | Value                                  |
|------|--|
| AT31 | ... 11.34428 ... Oberösterreich        |
| AT32 | ... 19.0848 ... Salzburg               |
| CZ04 | ... 11.88506 ... Severozápad           |
| CZ05 | ... 11.28047 ... Severovýchod          |
| DK02 | ... 56.98616 ... Sjælland              |
| DK03 | ... 39.42761 ... Syddanmark            |
| DK04 | ... 46.4042 ... Midtjylland            |
| DK05 | ... 58.22416 ... Nordjylland           |
| ES53 | ... 16.16723 ... Illes Balears         |
| ES70 | ... 9.775665 ... Canarias              |
| FI13 | ... 27.04999 ... Itä-Suomi             |
| FI19 | ... 16.59751 ... Länsi-Suomi           |
| FI1A | ... 17.00107 ... Pohjois-Suomi         |
| FI20 | ... 25.49534 ... Åland                 |
| HU22 | ... 14.42615 ... Nyugat-Dunántúl       |
| HU23 | ... 13.01179 ... Dél-Dunántúl          |
| HU31 | ... 11.36328 ... Észak-Magyarország    |
| HU32 | ... 17.23898 ... Észak-Alföld          |
| HU33 | ... 14.56025 ... Dél-Alföld            |
| IS00 | ... 10.64603 ... Ísland                |
| NO02 | ... 10.15068 ... Hedmark og Oppland    |
| NO05 | ... 16.12385 ... Vestlandet            |
| NO06 | ... 14.61298 ... Trøndelag             |
| NO07 | ... 13.59443 ... Nord-Norge            |
| PL42 | ... 10.04160 ... Zachodniopomorskie    |
| TR33 | ... 9.814317 ... Manisa                |
| TR52 | ... 9.818124 ... Konya                 |
| TR71 | ... 12.99568 ... Kirikkale             |
| UKD1 | ... 10.27544 ... Cumbria               |
| UKM6 | ... 11.23848 ... Highlands and Islands |

#### Data check for env-sew\_abs\_rtd

| Min.  | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's   |
|-------|---------|--------|-------|---------|--------|--------|
| 0.000 | 1.105   | 2.127  | 2.567 | 3.205   | 15.010 | 25.000 |

| Code | Value        |     |                    |
|------|--------------|-----|--------------------|
| AT11 | ... 11.30271 | ... | Burgenland (A)     |
| AT12 | ... 15.01444 | ... | Niederösterreich   |
| AT21 | ... 10.52434 | ... | Kärnten            |
| AT22 | ... 11.67722 | ... | Steiermark         |
| AT31 | ... 7.515582 | ... | Oberösterreich     |
| AT32 | ... 8.881045 | ... | Salzburg           |
| AT33 | ... 9.084818 | ... | Tirol              |
| AT34 | ... 7.073425 | ... | Vorarlberg         |
| CY00 | ... 7.905882 | ... | ??p??? / Kibris    |
| DE22 | ... 8.138198 | ... | Niederbayern       |
| DE23 | ... 6.827954 | ... | Oberpfalz          |
| DE25 | ... 7.708457 | ... | Mittelfranken      |
| DEB2 | ... 10.86699 | ... | Trier              |
| DED1 | ... 6.391169 | ... | Chemnitz           |
| FI20 | ... 7.284382 | ... | Åland              |
| HU23 | ... 7.135497 | ... | Dél-Dunántúl       |
| PL41 | ... 6.857748 | ... | Wielkopolskie      |
| PL42 | ... 7.915145 | ... | Zachodniopomorskie |
| PL43 | ... 9.217394 | ... | Lubuskie           |

#### Data check for env-was\_abs\_rtd

| Min.  | 1st Qu. | Median | Mean   | 3rd Qu. | Max.   | NA's   |
|-------|---------|--------|--------|---------|--------|--------|
| 0.000 | 6.328   | 10.040 | 10.960 | 13.020  | 53.840 | 25.000 |

| Code | Value        |     |                 |
|------|--------------|-----|-----------------|
| CZ01 | ... 53.84318 | ... | Praha           |
| CZ02 | ... 46.23419 | ... | Strední Cechy   |
| CZ03 | ... 47.8459  | ... | Jihozápad       |
| CZ04 | ... 47.36545 | ... | Severozápad     |
| CZ05 | ... 42.93212 | ... | Severovýchod    |
| CZ06 | ... 42.52486 | ... | Jihovýchod      |
| CZ07 | ... 35.75051 | ... | Strední Morava  |
| CZ08 | ... 36.87248 | ... | Moravskoslezsko |
| DE22 | ... 31.62990 | ... | Niederbayern    |
| DE23 | ... 23.34422 | ... | Oberpfalz       |
| DE24 | ... 27.25133 | ... | Oberfranken     |
| DE26 | ... 26.51607 | ... | Unterfranken    |
| DE27 | ... 33.58554 | ... | Schwaben        |
| FR41 | ... 26.78438 | ... | Lorraine        |
| FR43 | ... 23.18637 | ... | Franche-Comté   |
| ITF5 | ... 37.08087 | ... | Basilicata      |

#### Data check for tra-air\_abs\_rtd

| Min.   | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's    |
|--------|---------|--------|--------|---------|---------|---------|
| 0.0000 | 0.2422  | 0.7102 | 1.2810 | 1.6990  | 12.2100 | 12.0000 |

| Code | Value        |     |                   |
|------|--------------|-----|-------------------|
| BE22 | ... 4.770395 | ... | Prov. Limburg (B) |
| FI20 | ... 10.92657 | ... | Åland             |
| FR10 | ... 6.573107 | ... | Île de France     |
| FR83 | ... 5.539155 | ... | Corse             |
| FR91 | ... 10.89812 | ... | Guadeloupe        |
| FR92 | ... 5.517477 | ... | Martinique        |
| FR93 | ... 10.63118 | ... | Guyane            |
| FR94 | ... 4.505777 | ... | Réunion           |
| IS00 | ... 12.21162 | ... | Ísland            |

|      |     |          |     |                                  |
|------|-----|----------|-----|----------------------------------|
| ITD1 | ... | 5.211914 | ... | Provincia Autonoma Bolzano/Bozen |
| NO01 | ... | 3.898105 | ... | Oslo og Akershus                 |
| NO07 | ... | 5.394616 | ... | Nord-Norge                       |
| SE11 | ... | 4.94634  | ... | Stockholm                        |
| SE32 | ... | 5.671552 | ... | Mellersta Norrland               |
| SE33 | ... | 4.926215 | ... | Övre Norrland                    |
| UKJ2 | ... | 5.408478 | ... | Surrey, East and West Sussex     |
| UKM6 | ... | 4.270623 | ... | Highlands and Islands            |

**Data check for tra-wat\_abs\_rtd**

| Min.   | 1st Qu. | Median | Mean   | 3rd Qu. | Max.     | NA's    |
|--------|---------|--------|--------|---------|----------|---------|
| 0.0000 | 0.6014  | 1.6140 | 6.8130 | 6.0440  | 142.0000 | 13.0000 |

| Code | Value  |
|------|--|
| DE50 | ... 30.67086 ... Bremen                                  |
| DE60 | ... 51.57722 ... Hamburg                                 |
| DE93 | ... 22.10247 ... Lüneburg                                |
| DE94 | ... 27.88797 ... Weser-Ems                               |
| FI20 | ... 142.0455 ... Åland                                   |
| FR83 | ... 24.76328 ... Corse                                   |
| FR91 | ... 25.3548 ... Guadeloupe                               |
| FR92 | ... 20.81593 ... Martinique                              |
| FR93 | ... 37.20914 ... Guyane                                  |
| GR11 | ... 25.026 ... Anatoliki Makedonia, Thraki               |
| GR12 | ... 25.026 ... Kentriki Makedonia                        |
| GR13 | ... 25.026 ... Dytiki Makedonia                          |
| GR14 | ... 25.026 ... Thessalia                                 |
| GR21 | ... 25.026 ... Ipeiros                                   |
| GR22 | ... 25.026 ... Ionia Nisia                               |
| GR23 | ... 25.026 ... Dytiki Ellada                             |
| GR24 | ... 25.026 ... Sterea Ellada                             |
| GR25 | ... 25.026 ... Peloponnisos                              |
| GR30 | ... 25.026 ... Attiki                                    |
| GR41 | ... 25.026 ... Voreio Aigaio                             |
| GR42 | ... 25.026 ... Notio Aigaio                              |
| GR43 | ... 25.026 ... Kriti                                     |
| HR01 | ... 16.00882 ... Sjeverozapadna Hrvatska                 |
| HR02 | ... 16.00882 ... Središnja i Istocna (Panonska) Hrvatska |
| HR03 | ... 16.00882 ... Jadranska Hrvatska                      |
| ITD3 | ... 16.33389 ... Veneto                                  |
| NL11 | ... 64.62379 ... Groningen                               |
| NL12 | ... 62.03368 ... Friesland (NL)                          |
| NL21 | ... 16.88236 ... Overijssel                              |
| NL22 | ... 16.27272 ... Gelderland                              |
| NL23 | ... 26.07909 ... Flevoland                               |
| NL32 | ... 17.75967 ... Noord-Holland                           |
| NL33 | ... 47.19152 ... Zuid-Holland                            |
| NL34 | ... 72.18151 ... Zeeland                                 |
| NL42 | ... 21.11163 ... Limburg (NL)                            |
| NO01 | ... 39.34367 ... Oslo og Akershus                        |
| NO04 | ... 51.7118 ... Agder og Rogaland                        |
| NO05 | ... 72.37548 ... Vestlandet                              |
| NO06 | ... 14.85254 ... Trøndelag                               |
| NO07 | ... 38.40967 ... Nord-Norge                              |
| PT15 | ... 15.34584 ... Algarve                                 |
| SE11 | ... 24.78217 ... Stockholm                               |
| SE23 | ... 20.52166 ... Västsverige                             |
| TR32 | ... 41.05041 ... Aydin                                   |
| UKM6 | ... 27.19712 ... Highlands and Islands                   |

**Data check for tra-lan\_abs\_rtd**

| Min.  | 1st Qu. | Median  | Mean    | 3rd Qu. | Max.    | NA's   |
|-------|---------|---------|---------|---------|---------|--------|
| 3.166 | 90.710  | 182.200 | 231.300 | 330.100 | 773.300 | 13.000 |

| Code | Value                      |
|------|----------------------------|
| TR82 | ... 755.1797 ... Kastamonu |
| TR90 | ... 773.2751 ... Trabzon   |

**Data check for tra-mot\_abs\_rtd**

| Min.  | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's  |
|-------|---------|--------|--------|---------|---------|-------|
| 0.000 | 3.669   | 18.660 | 25.090 | 34.060  | 219.400 | 9.000 |

| Code | Value                                 |
|------|---------------------------------------|
| AT13 | ... 103.6145 ... Wien                 |
| BE24 | ... 83.09592 ... Prov. Vlaams-Brabant |
| DE30 | ... 86.41975 ... Berlin               |
| DE50 | ... 185.6436 ... Bremen               |
| DE60 | ... 107.2848 ... Hamburg              |
| DEA1 | ... 122.6843 ... Düsseldorf           |
| ES30 | ... 94.66866 ... Comunidad de Madrid  |
| NL31 | ... 122.1532 ... Utrecht              |
| NL33 | ... 103.2768 ... Zuid-Holland         |
| NL41 | ... 95.04132 ... Noord-Brabant        |
| NL42 | ... 99.13988 ... Limburg (NL)         |
| PT17 | ... 219.3878 ... Lisboa               |
| UKD3 | ... 138.7147 ... Greater Manchester   |
| UKD5 | ... 99.2248 ... Merseyside            |
| UKG3 | ... 89.80044 ... West Midlands        |
| DEC0 | ... 93.42156 ... NA                   |

**Data check for tra-rod\_abs\_rtd**

| Min. | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's |
|------|---------|--------|--------|---------|---------|------|
| 0.0  | 381.1   | 854.2  | 1395.0 | 1811.0  | 13710.0 | 6.0  |

| Code                  | Value  |
|-----------------------|--|
| AT13                  | ... 6665.06 ... Wien                                     |
| BE10                  | ... 11552.80 ... Région de Bruxelles-Capitale / Brussels |
| Hoofdstedelijk Gewest |  |
| BE21                  | ... 4352.982 ... Prov. Antwerpen                         |
| BE22                  | ... 4609.414 ... Prov. Limburg (B)                       |
| BE23                  | ... 4353.454 ... Prov. Oost-Vlaanderen                   |
| BE24                  | ... 5434.473 ... Prov. Vlaams-Brabant                    |
| BE32                  | ... 3987.85 ... Prov. Hainaut                            |
| CH03                  | ... 4026.558 ... Nordwestschweiz                         |
| CH04                  | ... 4167.727 ... Zürich                                  |
| MT00                  | ... 9797.468 ... Malta                                   |
| NL31                  | ... 4555.556 ... Utrecht                                 |
| NL33                  | ... 4607.958 ... Zuid-Holland                            |
| NL41                  | ... 4295.946 ... Noord-Brabant                           |
| NL42                  | ... 5082.39 ... Limburg (NL)                             |
| UKD3                  | ... 7061.129 ... Greater Manchester                      |
| UKD5                  | ... 7568.992 ... Merseyside                              |
| UKE4                  | ... 4669.295 ... West Yorkshire                          |
| UKG3                  | ... 8550.998 ... West Midlands                           |
| UKI1                  | ... 13708.46 ... Inner London                            |



UKI2 ... 8267.145 ... Outer London

**Data check for tra-ral\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for frg-rod\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for frg-ral\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for tra-bus\_abs\_rtd**

| Min. | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's |
|------|---------|--------|-------|---------|--------|------|
| 0.0  | 133.1   | 190.9  | 246.0 | 290.5   | 1276.0 | 14.0 |

| Code | Value                       |
|------|-----------------------------|
| IS00 | ... 594.925 ... Ísland      |
| NO05 | ... 606.1598 ... Vestlandet |
| TR10 | ... 897.8383 ... Istanbul   |
| TR21 | ... 865.3064 ... Tekirdag   |
| TR22 | ... 747.6323 ... Balikesir  |
| TR31 | ... 763.9665 ... Izmir      |
| TR32 | ... 1233.756 ... Aydin      |
| TR33 | ... 857.8949 ... Manisa     |
| TR41 | ... 755.1837 ... Bursa      |
| TR42 | ... 924.5813 ... Kocaeli    |
| TR51 | ... 901.309 ... Ankara      |
| TR52 | ... 681.8142 ... Konya      |
| TR61 | ... 994.362 ... Antalya     |
| TR62 | ... 661.2978 ... Adana      |
| TR63 | ... 791.115 ... Hatay       |
| TR71 | ... 736.8683 ... Kirikkale  |
| TR72 | ... 695.7417 ... Kayseri    |
| TR81 | ... 1077.621 ... Zonguldak  |
| TR82 | ... 949.3997 ... Kastamonu  |
| TR83 | ... 882.3679 ... Samsun     |
| TR90 | ... 1276.229 ... Trabzon    |
| TRA1 | ... 659.5765 ... Erzurum    |
| TRA2 | ... 613.7255 ... Agri       |
| TRB1 | ... 615.8049 ... Malatya    |
| TRC1 | ... 776.4374 ... Gaziantep  |

**Data check for tra-pos\_abs\_rtd**

| Min.   | 1st Qu. | Median  | Mean    | 3rd Qu. | Max.     | NA's    |
|--------|---------|---------|---------|---------|----------|---------|
| 0.8072 | 3.9570  | 10.8400 | 16.0300 | 25.2600 | 126.6000 | 12.0000 |

| Code | Value                                  |
|------|--|
| BE23 | ... 63.18394 ... Prov. Oost-Vlaanderen |
| DE92 | ... 60.95345 ... Hannover              |
| FR10 | ... 126.6026 ... Île de France         |

### Data check for tra-pri\_abs\_rtc

All data missing for this variable at NUTS2

### Data check for brc-rtv\_abs\_rtd

| Min.   | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's    |
|--------|---------|--------|--------|---------|---------|---------|
| 0.0000 | 0.9925  | 2.0020 | 3.0100 | 3.6790  | 17.3000 | 12.0000 |

| Code | Value  |
|------|--|
| CY00 | ... 11.79608 ... ??p??? / Kibris             |
| CZ01 | ... 13.54188 ... Praha                       |
| ES62 | ... 8.868055 ... Región de Murcia            |
| ES70 | ... 10.30538 ... Canarias                    |
| FI20 | ... 14.56876 ... Åland                       |
| GR11 | ... 10.23942 ... Anatoliki Makedonia, Thraki |
| GR12 | ... 10.23942 ... Kentriki Makedonia          |
| GR13 | ... 10.23942 ... Dytiki Makedonia            |
| GR14 | ... 10.23942 ... Thessalia                   |
| GR21 | ... 10.23942 ... Ipeiros                     |
| GR22 | ... 10.23942 ... Ionia Nisia                 |
| GR23 | ... 10.23942 ... Dytiki Ellada               |
| GR24 | ... 10.23942 ... Sterea Ellada               |
| GR25 | ... 10.23942 ... Peloponnisos                |
| GR30 | ... 10.23942 ... Attiki                      |
| GR41 | ... 10.23942 ... Voreio Aigaio               |
| GR42 | ... 10.23942 ... Notio Aigaio                |
| GR43 | ... 10.23942 ... Kriti                       |
| HU10 | ... 17.29619 ... Közép-Magyarország          |
| HU21 | ... 8.24924 ... Közép-Dunántúl               |
| HU22 | ... 10.31871 ... Nyugat-Dunántúl             |
| HU23 | ... 15.21540 ... Dél-Dunántúl                |
| HU31 | ... 7.848023 ... Észak-Magyarország          |
| HU32 | ... 9.983966 ... Észak-Alföld                |
| HU33 | ... 10.86360 ... Dél-Alföld                  |
| NO07 | ... 9.062955 ... Nord-Norge                  |
| SI01 | ... 9.063106 ... Vzhodna Slovenija           |
| SI02 | ... 16.50798 ... Zahodna Slovenija           |
| UKI1 | ... 13.98864 ... Inner London                |

### Data check for inf-tel\_abs\_rtd

| Min.   | 1st Qu. | Median  | Mean    | 3rd Qu. | Max.    | NA's    |
|--------|---------|---------|---------|---------|---------|---------|
| 0.4478 | 5.4480  | 10.7200 | 12.1700 | 15.1500 | 57.6100 | 12.0000 |

| Code | Value                                     |
|------|---|
| DEA2 | ... 45.802 ... Köln                       |
| FI20 | ... 40.0641 ... Åland                     |
| FR10 | ... 57.60633 ... Île de France            |
| FR92 | ... 37.11757 ... Martinique               |
| ITC3 | ... 30.64894 ... Liguria                  |
| LU00 | ... 31.20567 ... Luxembourg (Grand-Duché) |
| RO32 | ... 51.7067 ... Bucuresti - Ilfov         |
| TR21 | ... 30.81822 ... Tekirdag                 |
| TR22 | ... 37.56853 ... Balikesir                |
| TR32 | ... 52.64024 ... Aydin                    |
| TR41 | ... 30.81730 ... Bursa                    |
| TR52 | ... 37.68160 ... Konya                    |
| TR61 | ... 46.49637 ... Antalya                  |
| TR62 | ... 37.66642 ... Adana                    |
| TR63 | ... 35.63457 ... Hatay                    |

|      |     |          |     |              |
|------|-----|----------|-----|--------------|
| TR71 | ... | 34.49884 | ... | Kirikkale    |
| TR83 | ... | 30.95641 | ... | Samsun       |
| TR90 | ... | 54.59867 | ... | Trabzon      |
| UKI1 | ... | 33.41363 | ... | Inner London |

#### Data check for inf-tel\_abs2\_rtd

| Min.  | 1st Qu. | Median  | Mean    | 3rd Qu. | Max.     | NA's   |
|-------|---------|---------|---------|---------|----------|--------|
| 1.164 | 70.870  | 121.100 | 193.200 | 234.400 | 2089.000 | 40.000 |

| Code                  | Value  |
|-----------------------|--|
| AT13                  | ... 527.1827 ... Wien  |
| BE10                  | ... 1550.015 ... Région de Bruxelles-Capitale / Brussels         |
| Hoofdstedelijk Gewest |  |
| BG41                  | ... 842.2055 ... Yugozapaden                                     |
| CZ01                  | ... 884.1147 ... Praha   |
| DE71                  | ... 669.4203 ... Darmstadt                                       |
| DEA2                  | ... 2088.745 ... Köln  |
| DK01                  | ... 558.1474 ... Hovedstaden                                     |
| ITE4                  | ... 507.5613 ... Lazio   |
| NL11                  | ... 746.9186 ... Groningen                                       |
| NO01                  | ... 653.9752 ... Oslo og Akershus                                |
| PL12                  | ... 568.7007 ... Mazowieckie                                     |
| RO32                  | ... 1114.379 ... Bucuresti - Ilfov                               |
| SE11                  | ... 672.5003 ... Stockholm                                       |
| SE32                  | ... 481.0017 ... Mellersta Norrland                              |
| SK01                  | ... 1396.904 ... Bratislavský kraj                               |
| UKC2                  | ... 588.4539 ... Northumberland and Tyne and Wear                |
| UKD2                  | ... 525.2972 ... Cheshire  |
| UKH2                  | ... 554.044 ... Bedfordshire and Hertfordshire                   |
| UKI1                  | ... 973.5035 ... Inner London                                    |
| UKJ1                  | ... 1054.718 ... Berkshire, Buckinghamshire and Oxfordshire      |
| UKK1                  | ... 513.688 ... Gloucestershire, Wiltshire and Bristol/Bath area |

#### Data check for inf-pri\_abs\_rtc

All data missing for this variable at NUTS2

#### Data check for bro-hsd\_sh\_rtp

| Min.  | 1st Qu. | Median | Mean  | 3rd Qu. | Max.  | NA's  |
|-------|---------|--------|-------|---------|-------|-------|
| 15.00 | 51.00   | 63.00  | 60.87 | 74.00   | 87.00 | 33.00 |

| Code | Value                       |
|------|-----------------------------|
| RO41 | ... 15 ... Sud-Vest Oltenia |

#### Data check for ser-cos\_abs\_rtd

| Min.  | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's   |
|-------|---------|--------|-------|---------|--------|--------|
| 0.000 | 1.130   | 2.426  | 3.768 | 5.710   | 46.780 | 10.000 |

| Code | Value   |
|------|---|
| NL31 | ... 20.31351 ... Utrecht                                      |
| NL32 | ... 15.77135 ... Noord-Holland                                |
| SE11 | ... 13.58931 ... Stockholm                                    |
| SK01 | ... 14.62102 ... Bratislavský kraj                            |
| UKD2 | ... 14.98939 ... Cheshire                                     |
| UKF2 | ... 12.80673 ... Leicestershire, Rutland and Northamptonshire |
| UKH2 | ... 13.45920 ... Bedfordshire and Hertfordshire               |

|      |     |          |     |  |
|------|-----|----------|-----|--|
| UKI1 | ... | 46.77875 | ... | Inner London                               |
| UKJ1 | ... | 21.01309 | ... | Berkshire, Buckinghamshire and Oxfordshire |
| UKJ2 | ... | 15.59835 | ... | Surrey, East and West Sussex               |

**Data check for ser-vet\_abs\_rtd**

| Min.   | 1st Qu. | Median  | Mean    | 3rd Qu. | Max.     | NA's    |
|--------|---------|---------|---------|---------|----------|---------|
| 0.6671 | 20.8100 | 31.8300 | 38.9000 | 50.0500 | 285.7000 | 54.0000 |

| Code | Value                                 |
|------|---------------------------------------|
| BE25 | ... 98.7078 ... Prov. West-Vlaanderen |
| BE31 | ... 104.8440 ... Prov. Brabant Wallon |
| BE34 | ... 170.6057 ... Prov. Luxembourg (B) |
| BE35 | ... 121.5454 ... Prov. Namur          |
| ITD5 | ... 285.6920 ... Emilia-Romagna       |
| ITE1 | ... 158.6739 ... Toscana              |
| ITE3 | ... 158.5329 ... Marche               |
| NO02 | ... 111.8314 ... Hedmark og Oppland   |
| NO06 | ... 103.0716 ... Trøndelag            |

**Data check for ser-vet\_abs2\_rtd**

| Min.   | 1st Qu. | Median  | Mean     | 3rd Qu.  | Max.     | NA's    |
|--------|---------|---------|----------|----------|----------|---------|
| 0.4894 | 63.7100 | 96.0200 | 105.6000 | 130.5000 | 371.2000 | 81.0000 |

| Code | Value   |
|------|---|
| DK03 | ... 277.1354 ... Syddanmark                                       |
| DK05 | ... 250.9323 ... Nordjylland                                      |
| UKD1 | ... 371.2485 ... Cumbria  |
| UKD2 | ... 325.7661 ... Cheshire   |
| UKD4 | ... 258.3396 ... Lancashire                                       |
| UKE2 | ... 329.7222 ... North Yorkshire                                  |
| UKG1 | ... 305.4394 ... Herefordshire, Worcestershire and Warwickshire   |
| UKG2 | ... 286.2379 ... Shropshire and Staffordshire                     |
| UKK1 | ... 268.8701 ... Gloucestershire, Wiltshire and Bristol/Bath area |
| UKK2 | ... 235.0300 ... Dorset and Somerset                              |
| UKK3 | ... 244.6888 ... Cornwall and Isles of Scilly                     |
| UKK4 | ... 275.5597 ... Devon  |
| UKM5 | ... 240.7697 ... North Eastern Scotland                           |

UKM6 ... 266.1375 ... Highlands and Islands

**Data check for ser-emp\_abs\_rtd**

| Min.   | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's    |
|--------|---------|--------|--------|---------|---------|---------|
| 0.0000 | 0.4853  | 1.1210 | 1.7230 | 2.5130  | 11.2500 | 12.0000 |

| Code | Value                          |
|------|--------------------------------|
| NL11 | ... 6.810755 ... Groningen     |
| NL13 | ... 5.756065 ... Drenthe       |
| NL21 | ... 5.633377 ... Overijssel    |
| NL22 | ... 6.378506 ... Gelderland    |
| NL23 | ... 7.171749 ... Flevoland     |
| NL31 | ... 9.398209 ... Utrecht       |
| NL32 | ... 9.219916 ... Noord-Holland |
| NL33 | ... 9.481387 ... Zuid-Holland  |
| NL34 | ... 7.086912 ... Zeeland       |
| NL41 | ... 7.619447 ... Noord-Brabant |
| NL42 | ... 6.084069 ... Limburg (NL)  |
| SE11 | ... 6.738126 ... Stockholm     |

|      |     |          |     |  |
|------|-----|----------|-----|--|
| UKH2 | ... | 6.152058 | ... | Bedfordshire and Hertfordshire             |
| UKI1 | ... | 11.25058 | ... | Inner London                               |
| UKJ1 | ... | 6.51066  | ... | Berkshire, Buckinghamshire and Oxfordshire |
| UKJ2 | ... | 5.782911 | ... | Surrey, East and West Sussex               |

#### Data check for edu-enr\_abs\_rtd

| Min.   | 1st Qu. | Median  | Mean    | 3rd Qu. | Max.     | NA's   |
|--------|---------|---------|---------|---------|----------|--------|
| 0.2534 | 33.8800 | 47.1400 | 43.2600 | 54.3500 | 103.8000 | 6.0000 |

| Code | Value   |
|------|---|
| DK02 | ... 98.88936 ... Sjælland                     |
| DK05 | ... 103.7605 ... Nordjylland                  |
| IE01 | ... 0.2533603 ... Border, Midland and Western |
| IE02 | ... 0.556269 ... Southern and Eastern         |

#### Data check for edu-enr\_abs2\_rtd

| Min.  | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's |
|-------|---------|--------|-------|---------|--------|------|
| 35.05 | 75.41   | 84.12  | 83.86 | 91.65   | 139.60 | 6.00 |

| Code                  | Value  |
|-----------------------|--|
| BE10                  | ... 139.6472 ... Région de Bruxelles-Capitale / Brussels |
| Hoofdstedelijk Gewest |  |
| BE21                  | ... 117.3814 ... Prov. Antwerpen                         |
| BE22                  | ... 122.2749 ... Prov. Limburg (B)                       |
| BE23                  | ... 131.0583 ... Prov. Oost-Vlaanderen                   |
| BE25                  | ... 125.9856 ... Prov. West-Vlaanderen                   |
| CZ01                  | ... 135.3672 ... Praha                                   |
| SK01                  | ... 122.6653 ... Bratislavský kraj                       |
| TRA2                  | ... 35.05276 ... Agri                                    |
| TRB2                  | ... 35.84516 ... Van                                     |
| TRC2                  | ... 38.50584 ... Sanliurfa                               |
| TRC3                  | ... 43.8216 ... Mardin                                   |

#### Data check for edu-enr\_abs3\_rtd

| Min.  | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's  |
|-------|---------|--------|--------|---------|---------|-------|
| 2.489 | 33.650  | 45.770 | 47.180 | 55.270  | 305.600 | 6.000 |

| Code                  | Value  |
|-----------------------|--|
| AT13                  | ... 120.2937 ... Wien                                    |
| BE10                  | ... 92.58778 ... Région de Bruxelles-Capitale / Brussels |
| Hoofdstedelijk Gewest |  |
| CH04                  | ... 97.23414 ... Zürich                                  |
| CZ01                  | ... 142.1915 ... Praha                                   |
| DK01                  | ... 104.6865 ... Hovedstaden                             |
| GR12                  | ... 89.3125 ... Kentriki Makedonia                       |
| GR13                  | ... 93.81886 ... Dytiki Makedonia                        |
| GR21                  | ... 96.22557 ... Ipeiros                                 |
| HU10                  | ... 89.13744 ... Közép-Magyarország                      |
| NO01                  | ... 94.42834 ... Oslo og Akershus                        |
| NO06                  | ... 103.4033 ... Trøndelag                               |
| PL12                  | ... 97.03515 ... Mazowieckie                             |
| RO32                  | ... 220.3029 ... Bucuresti - Ilfov                       |
| SI02                  | ... 105.8607 ... Zahodna Slovenija                       |
| SK01                  | ... 147.9629 ... Bratislavský kraj                       |
| TR41                  | ... 305.6301 ... Bursa                                   |

**Data check for edu-str\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for edu-str2\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for edu-scl\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for edu-scl2\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for edu-pri\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for edu-exp\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for hst-bed\_abs\_rtd**

| Min.  | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's |
|-------|---------|--------|-------|---------|--------|------|
| 125.0 | 343.6   | 499.5  | 525.4 | 693.5   | 1252.0 | 6.0  |

| Code | Value                                 |
|------|---------------------------------------|
| DE80 | ... 1251.9 ... Mecklenburg-Vorpommern |

**Data check for hst-bed2\_abs\_rtd**

| Min. | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's  |
|------|---------|--------|-------|---------|--------|-------|
| 0.00 | 32.10   | 66.00  | 66.33 | 89.60   | 353.10 | 11.00 |

| Code | Value                                    |
|------|--|
| BE21 | ... 200.2 ... Prov. Antwerpen            |
| BE23 | ... 205.8 ... Prov. Oost-Vlaanderen      |
| BE25 | ... 211.9 ... Prov. West-Vlaanderen      |
| BE35 | ... 189.3 ... Prov. Namur                |
| NL13 | ... 350 ... Drenthe                      |
| NL31 | ... 201.4 ... Utrecht                    |
| PT20 | ... 291.4 ... Região Autónoma dos Açores |
| PT30 | ... 353.1 ... Região Autónoma da Madeira |

**Data check for drs-pop\_abs\_rtd**

| Min. | 1st Qu. | Median | Mean  | 3rd Qu. | Max.  | NA's |
|------|---------|--------|-------|---------|-------|------|
| 0.0  | 240.9   | 307.8  | 306.3 | 360.8   | 828.7 | 2.0  |

| Code | Value              |
|------|--------------------|
| AT13 | ... 641.6 ... Wien |
| CZ01 | ... 656 ... Praha  |

|      |     |       |     |                            |
|------|-----|-------|-----|----------------------------|
| ES24 | ... | 608.8 | ... | Aragón                     |
| ES63 | ... | 694.6 | ... | Ciudad Autónoma de Ceuta   |
| ES64 | ... | 0     | ... | Ciudad Autónoma de Melilla |
| GR12 | ... | 561.5 | ... | Kentriki Makedonia         |
| GR21 | ... | 591.3 | ... | Ipeiros                    |
| GR30 | ... | 828.7 | ... | Attiki                     |
| GR43 | ... | 628.4 | ... | Kriti                      |
| ITC3 | ... | 680.5 | ... | Liguria                    |
| ITE4 | ... | 651.7 | ... | Lazio                      |
| SK01 | ... | 652.5 | ... | Bratislavský kraj          |

**Data check for nrs-pop\_abs\_rtd**

| Min.  | 1st Qu. | Median | Mean  | 3rd Qu. | Max.   | NA's |
|-------|---------|--------|-------|---------|--------|------|
| 122.5 | 546.9   | 785.5  | 826.7 | 1125.0  | 2848.0 | 2.0  |

| Code | Value                               |
|------|-------------------------------------|
| SE32 | ... 2848.290 ... Mellersta Norrland |

**Data check for hlt-exp\_abs\_rtd**

All data missing for this variable at NUTS2

**Data check for cre-chi\_sh\_rtp**

All data missing for this variable at NUTS2

**Data check for cre-chi2\_sh\_rtp**

All data missing for this variable at NUTS2

**Data check for cre-chi3\_sh\_rtp**

All data missing for this variable at NUTS2

**Data check for cre-chi4\_sh\_rtp**

All data missing for this variable at NUTS2

**Data check for clt-fcl\_abs\_rtd**

| Min.   | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's   |
|--------|---------|--------|--------|---------|---------|--------|
| 0.0000 | 0.3776  | 0.8398 | 1.5600 | 1.8080  | 20.8200 | 9.0000 |

| Code | Value   |
|------|---|
| AT13 | ... 10.54958 ... Wien   |
| AT32 | ... 6.424586 ... Salzburg   |
| AT33 | ... 6.103862 ... Tirol  |
| AT34 | ... 6.25726 ... Vorarlberg  |
| BE10 | ... 8.62751 ... Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest |
| CH01 | ... 7.025637 ... Région lémanique   |
| CH03 | ... 6.76501 ... Nordwestschweiz   |
| CH07 | ... 4.20754 ... Ticino  |
| CZ01 | ... 7.298021 ... Praha  |
| DE21 | ... 4.705734 ... Oberbayern   |

|      |     |          |     |                          |
|------|-----|----------|-----|--------------------------|
| DE30 | ... | 14.71585 | ... | Berlin                   |
| DE60 | ... | 5.360871 | ... | Hamburg                  |
| DE71 | ... | 4.597377 | ... | Darmstadt                |
| DEA2 | ... | 11.19402 | ... | Köln                     |
| DK01 | ... | 6.376765 | ... | Hovedstaden              |
| ES53 | ... | 4.2988   | ... | Illes Balears            |
| FI20 | ... | 7.284382 | ... | Åland                    |
| FR10 | ... | 5.115258 | ... | Île de France            |
| IS00 | ... | 6.888605 | ... | Ísland                   |
| LI00 | ... | 11.23943 | ... | Liechtenstein            |
| LU00 | ... | 4.457953 | ... | Luxembourg (Grand-Duché) |
| NL12 | ... | 19.23044 | ... | Friesland (NL)           |
| NL32 | ... | 6.461498 | ... | Noord-Holland            |
| NO01 | ... | 4.351373 | ... | Oslo og Akershus         |
| SI01 | ... | 3.976669 | ... | Vzhodna Slovenija        |
| SK01 | ... | 5.189935 | ... | Bratislavský kraj        |
| UKI1 | ... | 20.81722 | ... | Inner London             |

#### Data check for spt-sta\_abs\_rtd

| Min.   | 1st Qu. | Median | Mean   | 3rd Qu. | Max.    | NA's   |
|--------|---------|--------|--------|---------|---------|--------|
| 0.0000 | 0.6066  | 1.3480 | 1.5930 | 2.2200  | 12.4500 | 9.0000 |

| Code | Value  |
|------|--|
| AT11 | ... 7.064192 ... Burgenland (A)              |
| AT34 | ... 5.441096 ... Vorarlberg                  |
| CH07 | ... 9.016157 ... Ticino                      |
| CY00 | ... 5.019608 ... ??p??? / Kibris             |
| DK04 | ... 6.411633 ... Midtjylland                 |
| IE01 | ... 12.45410 ... Border, Midland and Western |
| NO02 | ... 5.342465 ... Hedmark og Oppland          |
| NO04 | ... 5.745756 ... Agder og Rogaland           |
| PT15 | ... 4.650254 ... Algarve                     |
| AL01 | ... 5.871646 ... NA                          |
| BA01 | ... 4.861111 ... NA                          |

#### Data check for spt-sta\_abs2\_rtd

| Min. | 1st Qu. | Median | Mean | 3rd Qu. | Max.  | NA's |
|------|---------|--------|------|---------|-------|------|
| 0    | 1371    | 3184   | 3799 | 5375    | 25900 | 9    |

| Code | Value  |
|------|--|
| IE01 | ... 25904.52 ... Border, Midland and Western |
| IE02 | ... 17414.19 ... Southern and Eastern        |
| UKD3 | ... 12963.29 ... Greater Manchester          |
| UKE3 | ... 11398.59 ... South Yorkshire             |
| UKI1 | ... 20384.8 ... Inner London                 |
| UKL2 | ... 12609.08 ... East Wales                  |
| AL01 | ... 14121.31 ... NA                          |

#### Data check for hou-exp\_abs\_rtd

All data missing for this variable at NUTS2

#### Data check for hou-ovb\_sh\_rtp

All data missing for this variable at NUTS2

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## Suggestions for checking the data

This report seems to be somewhat lengthy. We have checked variables for the NUTS2 or equivalent regions only. This means that data for some variables is not present – this is noted in the listing above.

We are of the opinion that most of these identified **anomalous values** may be false positives – the data distributions exhibit a degree of positive skewness. The, sometimes lengthy, right tails on the distributions are typical of socio-economic data (for example, most people earn a moderate salary, but a few have extremely high salaries). Please confirm that the values are correct.

The **duplicated rows** should be checked – please confirm that the duplicated values correct?

**Missing data** – please confirm that these values are not present.

If these values are as intended then there is no further need for a data check.