



Powered by



# Webinar

Statistics for Data Analysis and spreadsheet: a confrontation

## About Us

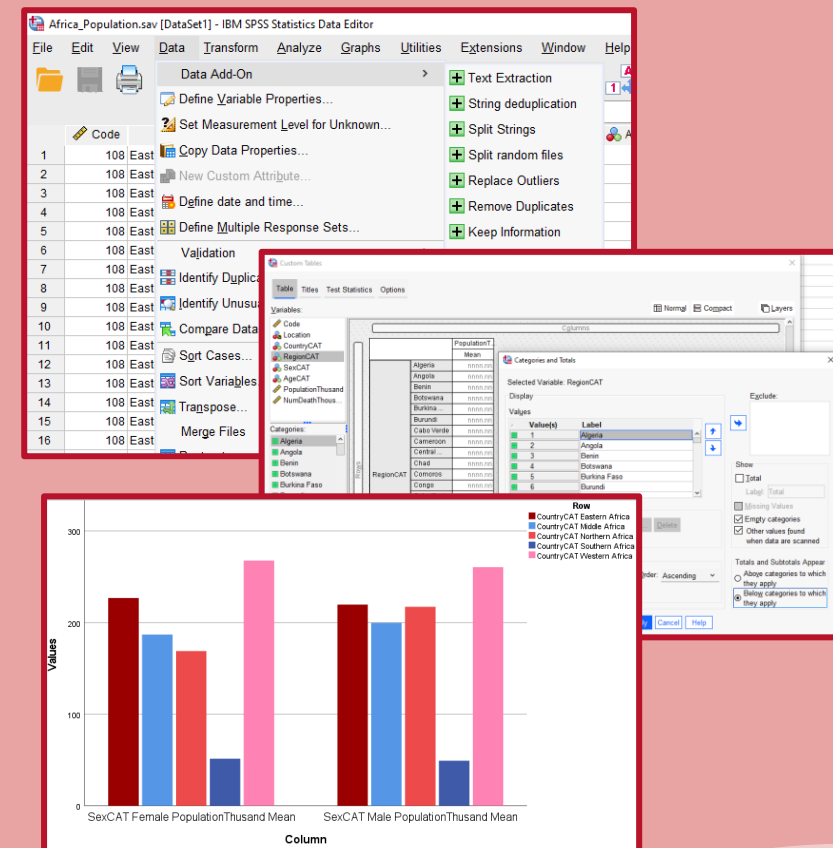
25+ years of history... in brief

## Statistics for Data Analysis

Services included in the Solution (LaunchBox, Add-On, APP, webinar, Support, ...)

## Statistics for Data Analysis and Spreadsheet: a confrontation

- Introduction
- Comparison with Statistics for Data Analysis and spread sheets
- Introduction to Data Preparation
- Brief Overview to the Analyze Menu
- Q&A
- Thanks



**Statistics for Data Analysis** is a solution designed and created by a team of professionals of SPS specializing in **Data Analysis**. Includes:

- **Operational tools** to share our data analysis knowledge:
  - LaunchBox
  - Add-On
  - Premium Modules
  - APP
- **Value-Addes Services**
  - Technical support ([assistenza@spss.it](mailto:assistenza@spss.it))
  - OnLine Training
  - On the job Training
  - Webinar
  - Tips & Tricks
- Software licenses powered by **SPSS Statistics**

## Statistics world-wide dashboard with information on how to install various releases, stand-alone solutions and more

Statistics for Data Analysis (LaunchBox v1.2.2.0)

Dashboard

Add-On

Additional Tools

User manuals



Language

Contact us

Launch Statistics for Data Analysis V. 28.0 New version available! (28.0.1.1) X Launch

### Webinar events calendar

- [How can we choose a Statistical Test?](#) | Thursday 29 September, 2022, 15.30 - 16.30 pm (CEST)

[Statistics for Data Analysis powered by SPSS](#) is a statistical analysis solution that cover the entire analysis cycle.

[Explore the packages](#) that best suits your needs, according to your activity area.

In continuation of the development path of the Statistics for Data Analysis solution, the SPS team extends the range of **services included in**, providing its customers with an entire **Reserved Area** where you can "**consult or send us methodological questions** on the use of Statistics for Data Analysis.

[Explore the Premium Module PScore](#) for the **Propensity Score Matching technique** useful when data come from non-randomised studies, e.g. from registers or medical records

[Explore what is new in the latest version 28: Meta Analysis, Power Analysis enhancements, Ratio Statistics](#) and more.

[Explore the On-Line Training](#), which are designed to maintain a relationship and discussion with the trainer.

In fact, these are **live courses**, albeit remotely, **in which a theoretical part is supported by practice**, allowing all participants to have moments of exchange dedicated to the topics covered in each course.

[Contact us](#) for a personalize course

## Self-installing add-ons:

additional features developed by SPS that strengthen the Statistics for Data Analysis solution, already available natively in the dedicated menus

Statistics for Data Analysis (LaunchBox v1.2.0.0)

Dashboard

> Add-On

Additional Tools

User manuals

Language

Contact us

Installed Add-Ons



DuplicateCases



SplitStrings



AddDays



Tables for multiple-choice sets



Contingency tables



RSVP Chart



LadderPlot



File division



Text Extraction



String deduplication



Keep Information



Replace Outliers



Add 60 days



Split random files



Exclude Outliers



Remove Duplicates



Case Validation



Simple Sample Base



Automatic ID

Statistics for Data Analysis License Conditions



Discover the new customer area

To enjoy the video content available and



Using the services of the customer area is very easy:

- Request access by clicking on the button
- Register by filling in the required fields

Login

Within 48 working hours our team will provide you with access, after checking that your email is associated with an active contract.

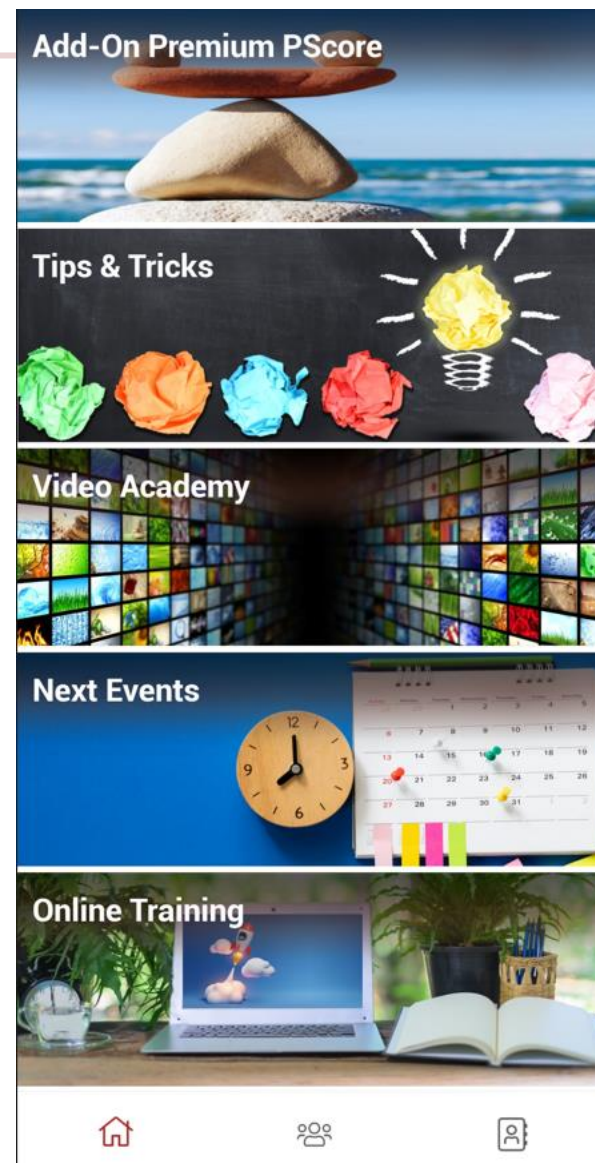
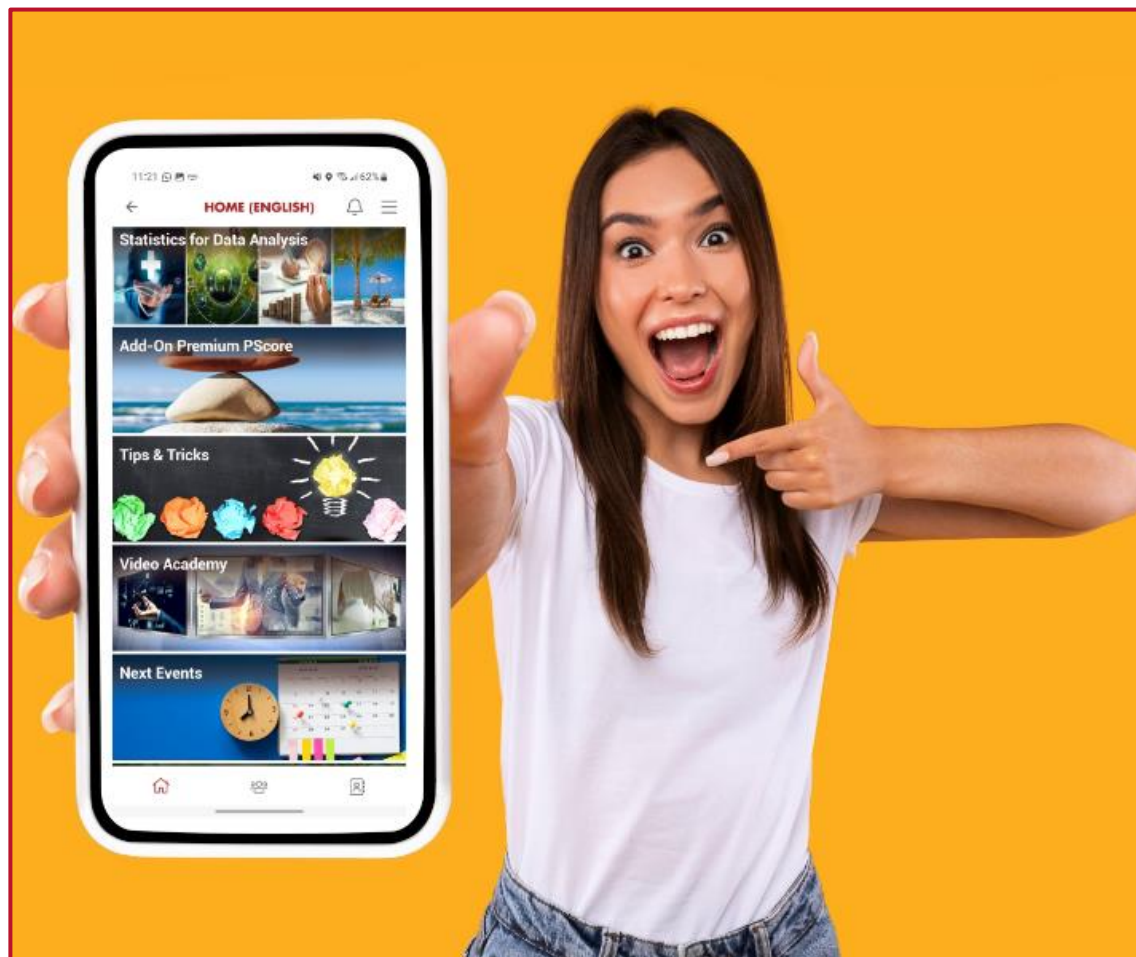


Not a customer but would like to find out how to access the contents of this area?

Contact us

We will show you how!

# Op Tools | APP Statistics for Data Analysis



## About us

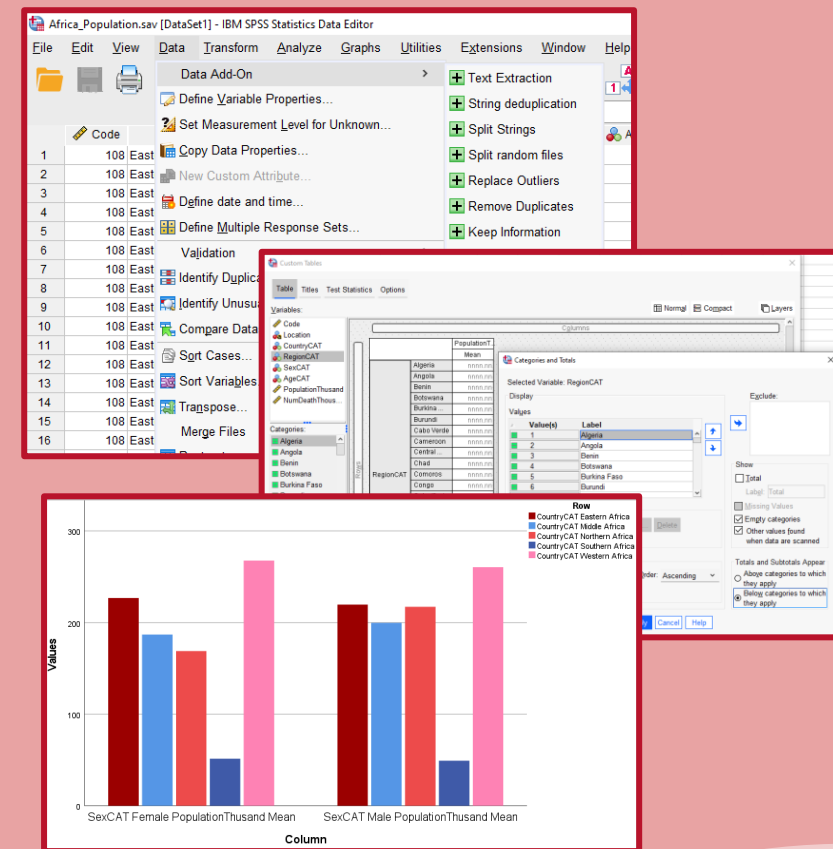
25+ years of history... in brief

## Statistics for Data Analysis

Services included in the solution (LaunchBox, Add-On, APP, webinar, Support, ...)

## How to choose a statistical test?

- Introduction
- Brief introduction to non-parametric tests
- Test for independent and paired samples
- Test characteristics and examples
- Q&A
- Thanks



Salvataggio automatico MA Brownfields List 2018-12.xlsx - E... Cerca Arianna Azzellino

File Home Inserisci Layout di pagina Formule Dati Revisione Visualizza Componenti aggiuntivi Guida Acrobat Condividi Commenti

Calibri 11 A A Incolla G C S Carattere Allineamento Testi Numeri Formattazione condizionale Formatta come tabella Stili cella Inserisci Elimina Formato Ordina e filtra Trova e seleziona Riservatezza

B7

|    | A           | B          | C               | D                                                | E                                   |                       |
|----|-------------|------------|-----------------|--------------------------------------------------|-------------------------------------|-----------------------|
|    | Primary RTN | Other RTNs | Town            | Address                                          | Site Name                           | Cur                   |
| 1  |             |            |                 |                                                  |                                     |                       |
| 2  | 4-0000344   | 4-0001045  | Abington        | 121 Randolph St                                  | Perx Products Inc li                | Baystate Square Llc   |
| 3  | 4-0018292   |            | Abington        | 477 Washington St                                | Former Gas Station & Auto Dealer    | Thomas Washington T   |
| 4  | 2-0000003   |            | Acton           | 55 Knox Trl                                      | Agway Kress Property                | Reme Realty Trust Llc |
| 5  | 2-0000792   |            | Acton           | 135-137 Great Rd                                 | 135-137 Great Rd Property           | 135-137 Great Rd Llc  |
| 6  | 2-0020723   |            | Acton           | 152 Green St                                     | Residential Development             |                       |
| 7  | 2-0020225   |            | ACTON           | 1000 AVALON DR                                   | AVALON ACTON                        |                       |
| 8  | N/A         |            | Acton & Concord | Fmr. New Haven Railroad Framingham & Lowell line | Bruce Freeman Rail Trail - Phase 2  |                       |
| 9  | 1-0000994   |            | Adams           | 222 Columbia St                                  | Columbia Street Property            | Town of Adams         |
| 10 | 1-0011140   |            | Adams           | off Bellview Ave                                 | Hoosic River                        | Old Stone Mill Llc    |
| 11 | 1-0011144   |            | Adams           | 115 Howland Ave                                  | Crown Vantage Paper Rear Lot        | Mjd Real State Llc    |
| 12 | 1-0014611   |            | Adams           | Hoosac St                                        | Proposed Adams Visitor Center       | Town of Adams         |
| 13 | 1-0015499   |            | Adams           | 10 Harmony St                                    | Macdermid Graphic Arts              | Macdermid Printing S  |
|    | 1-0015732   |            | Adams           | 82 Commercial Street                             | Adams Laundry and Dry Cleaning Svcs | Adams Laundry and D   |
| 14 |             |            |                 |                                                  |                                     |                       |
| 15 |             |            |                 |                                                  |                                     |                       |

Environmental Tracking

Scrivi qui per eseguire la ricerca

Collegamenti ITA 17:59 05/02/2020

Selvaggio automatico | MA Brownfields List 2018-12.xlsx - E... Arianna Azzellino

File Home Inserisci Layout di pagina Formule Dati Revisione Visualizza Componenti aggiuntivi Guida Acrobat Condividi Commenti

Incolla Calibri 11 A+ A- G C S [Grid Icon] [Color Picker Icon] Carattere Allineamento Testo Formato % 000 Stili Formattazione condizionale Formatta come tabella Stili cella Celle Inserisci Elimina Formato Ordina e filtra Trova e seleziona Riservatezza

B7 fx

|    | A           | B          | C               | D                                                | E                                   | F                      |
|----|-------------|------------|-----------------|--------------------------------------------------|-------------------------------------|------------------------|
|    | Primary RTN | Other RTNs | Town            | Address                                          | Site Name                           | Current Status         |
| 1  |             |            |                 |                                                  |                                     |                        |
| 2  | 4-0000344   | 4-0001045  | Abington        | 121 Randolph St                                  | Perx Products Inc li                | Baystate Square Uic    |
| 3  | 4-0018292   |            | Abington        | 477 Washington St                                | Former Gas Station & Auto Dealer    | Thomas Washington T    |
| 4  | 2-0000003   |            | Action          | 55 Knox Trl                                      | Agway Kress Property                | Rerre Realty Trust Llc |
| 5  | 2-0000792   |            | Action          | 135-137 Great Rd                                 | 135-137 Great Rd Property           | 135-137 Great Rd Llc   |
| 6  | 2-0020723   |            | Action          | 152 Green St                                     | Residential Development             |                        |
| 7  | 2-0020225   |            | ACTON           | 1000 AVALON DR                                   | AVALON ACTON                        |                        |
| 8  | N/A         |            | Acton & Concord | Fmr. New Haven Railroad Framingham & Lowell line | Bruce Freeman Rail Trail - Phase 2  |                        |
| 9  | 1-0000994   |            | Adams           | 222 Columbia Street                              | Columbia Street Property            | Town of Adams          |
| 10 | 1-0011140   |            | Adams           | off Bellview Ave                                 | Hoosic River                        | Old Stone Mill Llc     |
| 11 | 1-0011144   |            | Adams           | 115 Howland Ave                                  | Crown Vantage Paper Rear Lot        | Mjd Real State Llc     |
| 12 | 1-0014611   |            | Adams           | Hoosac St                                        | Proposed Adams Visitor Center       | Town of Adams          |
| 13 | 1-0015499   |            | Adams           | 10 Harmony St                                    | Macdermid Graphic Arts              | Macdermid Printing S   |
| 14 | 1-0015732   |            | Adams           | 82 Commercial Street                             | Adams Laundry and Dry Cleaning Svcs | Adams Laundry and D    |
| 15 | 1-0016306   |            | Adams           | Green St                                         | Green St                            | Green St               |

Environmental Tracking

Scrivi qui per eseguire la ricerca

Collegamenti ITA 17:59 05/02/2020

IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

236 : perc\_areatot

Visible: 31 of 31 Variables

|     | Town      | Address                                       | SiteName                             | CurrentOwner                                             |
|-----|-----------|-----------------------------------------------|--------------------------------------|----------------------------------------------------------|
| 215 | Worcester | Gardner and Tainter St                        | Gkh Project Area                     | Trustees Clark University                                |
| 216 | Worcester | 130-140 Prescott Street / 150 Prescott Street | Former Worcester T & G               | Asphalt Release Corporation / Davis, Gary H Trustee      |
| 217 | Worcester | 72 Coes St                                    | Ck Company Inc                       | City of Worcester City Manager                           |
| 218 | Worcester | 287 Grove St                                  | Worcester Regional Transit Authority | Worcester Regional Transit Authority                     |
| 219 | Worcester | 2 Pullman St                                  | Mni/Cjl, Lic                         | Mni/Cjl Lic                                              |
| 220 | Worcester | 6 Pullman St                                  | Fmr Pullman-Standard Car Manufac Fac | Mni/Cjl Lic                                              |
| 221 | Worcester | 70 James St                                   | Former National Standard             | M + I Realty Inc                                         |
| 222 | Worcester | 54 Rockdale Street                            | Vellumoid                            | Vellumoid Inc                                            |
| 223 | Worcester | 324 Clark Street                              | 324 Clark Street                     | Worcester Investment Group Lic                           |
| 224 | Worcester | 61 West Mountain St                           | Peterson Steel Corp                  | Worcester Supermarket Lic                                |
| 225 | Worcester | 10 Lincoln Sq                                 | Marriott                             | Mcphs University (2010); Worcester Hospitality Associate |
| 226 | Worcester | 14 West Boylston St                           | Former Woodbury Co                   | Worcester Market Owner Lic                               |
| 227 | Worcester | 15 Putnam Ln                                  | Oil Terminal Fmr                     |                                                          |
| 228 | Worcester | 25 Quinisigamond Av.                          | Former Commonwealth Gas              | Nstar Gas Company                                        |
| 229 | Worcester | 1 Duncan Ave                                  | Oconnell Worcester Lic Property      | Pc Worcester Lp                                          |
| 230 | Worcester | 35 New Street                                 | Independent Plating                  | 35 New Street Lic                                        |
| 231 | Worcester | 35-43 Dean St and 26-32 Boynton               | Worcester Polytechnic Institute      | Worcester Polytechnic Institute                          |
| 232 | Worcester | Main/Stafford                                 | Webster Square Shopping Center       | Webster Square Shopping Center                           |
| 233 | Worcester | 105 Madison St                                | Roof of Building 125                 | Wayman Gordon Co                                         |
| 234 | Worcester | 105 Madison St                                | Wayman Gordon Co                     | Wayman Gordon Co                                         |
| 235 | Worcester | 10 New Bond Street                            | Former Cincinnati Milacron           | Worcester New Bond Lic                                   |
| 236 | Worcester | Worcester Center Blvd                         | Medical City                         | Vhs Acquisition Subsidiary                               |

Data View Variable View

IBM SPSS Statistics Processor is ready Unicode:ON Classic

I STARTED THE DAY WITH  
LOTS OF PROBLEMS.  
BUT NOW, AFTER HOURS  
AND HOURS OF WORK,  
I HAVE LOTS OF PROBLEMS  
IN A *SPREADSHEET*.



WHAT ARE YOU WORKING ON?

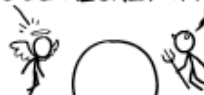
TRYING TO FIX THE PROBLEMS I  
CREATED WHEN I TRIED TO FIX  
THE PROBLEMS I CREATED WHEN  
I TRIED TO FIX THE PROBLEMS  
I CREATED WHEN...



DON'T USE A SPREAD-  
SHEET! DO IT *RIGHT*.

**BUT A SPREADSHEET  
WOULD BE SO EASY.**

IN THE LONG RUN  
YOU'LL REGRET IT!



TAKE THE TIME TO  
WRITE *REAL CODE*.

**JUST PASTE THE DATA!  
TINKER UNTIL IT WORKS!**

**BUILD A LABYRINTH OF  
STRINGS, WRONG  
FORMAT AND ERRORS!**

**FEEL THE POWER!**



FIGHT THE TEMPTATION!

**EVER TRIED A REAL  
STATISTICAL TOOL?  
IT LETS YOU TREAT A  
BLOCK OF CELLS LIKE  
A DATABASE AND RUN  
SQL QUERIES ON THEM.**



DON'T LISTEN TO—  
...WAIT, REALLY?

**YES, AND LET ME  
TELL YOU ABOUT  
RECODING() ...**

OOOH...



MODIFIED FROM <https://www.explainxkcd.com>

Salvataggio automatico MA Brownfields List 2018-12.xlsx Cerca (ALT+X) Arianna Azzellino

File Home Inserisci Layout di pagina Formule Dati Revisione Visualizza Automate Guida Acrobat Commenti Condividi

Calibri 11 A A Generale

G C S Carattere Allineamento Numeri Stili Celle Modifica

Formattazione condizionale Formatta come tabella Stili cella

Inserisci Elimina Formato

Ordina e filtra Trova e seleziona

I1285

|      | MCP Status | RAO | AUL |              | Former Use              | Current Use                          |
|------|------------|-----|-----|--------------|-------------------------|--------------------------------------|
| 1240 | RAO        | A2  | No  | Fuel Oil #2  | Residential             | Vacant Residential Property          |
| 1241 | RAO        | B1  | No  | Nickel       |                         |                                      |
| 1242 | RAO        | A2  | No  | Oil          | Commercial, Industrial  | Strip Mall                           |
| 1243 | RAO        | A3  | Yes | Arsenic, Bar | Commercial, Private     |                                      |
| 1244 | RAO        | A2  | N   | Lead, Cadm   |                         |                                      |
| 1245 | RAO        | A3  | Yes | Cadmium a    | Electroplating Business | Portion of The Building Is Vacant, V |
| 1246 | TIER1D     |     |     | Chromium,    | Commercial              | The Remainder Is office Space        |
| 1247 | DPS        |     |     | Oil          | Commercial, Municipal   |                                      |
| 1248 | DPS        |     |     |              |                         |                                      |
| 1249 | RTN CLOSED |     |     |              |                         |                                      |
| 1250 | PSC        |     |     |              |                         |                                      |
| 1251 |            |     |     |              |                         |                                      |
| 1252 |            |     |     |              |                         |                                      |
| 1253 |            |     |     |              |                         |                                      |
| 1254 |            |     |     |              |                         |                                      |
| 1255 |            |     |     |              |                         |                                      |

Ordina dalla A alla Z  
Ordina dalla Z alla A  
Ordina per colore  
Visualizzazione foglio  
Cancella filtro da "COCs"  
Filtra per colore  
Filtri per testo  
Cerca  
(Seleziona tutto)  
#2 Diesel Fuel Oil  
#2 Fuel Oil  
#2 Fuel Oil, Arsenic, DDT, PAH, Pes  
#2 Fuel Oil, Contaminated Water  
#2 Fuel Oil, Lead, PAH  
#2 Fuel Oil, Naphthalene  
#2 Fuel Oil, Petroleum

OK Annulla

Environmental Tracking COCC ...

Pronto Accessibilità: verifica

Which is the  
most diffuse  
type of  
pollution?

The screenshot shows an Excel spreadsheet with the following data:

|    | Former Use                                                                                                      | Current                                                             |
|----|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1  |                                                                                                                 |                                                                     |
| 2  |                                                                                                                 |                                                                     |
| 3  | Gas Station                                                                                                     |                                                                     |
| 4  | Commercial                                                                                                      |                                                                     |
| 5  | Auto Dealer                                                                                                     | Auto Sales Repair                                                   |
| 6  |                                                                                                                 |                                                                     |
| 7  |                                                                                                                 |                                                                     |
| 8  | Inactive railroad right-of-way                                                                                  | Rail Trail                                                          |
| 9  | Gasstation                                                                                                      |                                                                     |
| 10 | Waterbody                                                                                                       |                                                                     |
| 11 | Industrial                                                                                                      | Manufacturing                                                       |
| 12 |                                                                                                                 |                                                                     |
| 13 |                                                                                                                 | Manufacturing                                                       |
| 14 | Larger Building Operated As A Textile Mill From 1884 To 1948. Then It Was Used As A Commercial Laundry Service. | Larger Buildind Is Used Laundry and The Small Used For Vehicle Main |

The filter menu for the 'Current' column is open, showing options to sort (Ordina dal più piccolo al più grande, Ordina dal più grande al più piccolo) and filter (Filtra per colore, Filtri per numeri). The 'Total Acreage' filter is also visible, showing a list of acreage values with checkboxes.

And in terms of area... which is the largest contamination?

ownfield rielab.sav [DataSet1] - IBM SPSS Statistics Data Editor

Menu: Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Data Add-On: Text Extraction, String deduplication, **Split Strings**, Split random files, Remove Outliers

Variables: Address, AUL, coc\_num, COCs, COCs1, COCs10, COCs2, COCs3, COCs4, COCs5, COCs6, COCs7, COCs8

String variable to split: Primary RTN

Enter the field split character: -

Number of output variables: 2

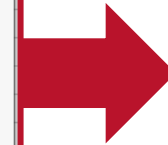
Length of output variables: 50

Buttons: Run, Paste, Reset, Cancel

PrimaryRTN

|           |  |  |
|-----------|--|--|
| 2-0014537 |  |  |
| 2-0014421 |  |  |
| 2-0012082 |  |  |
| 2-0010138 |  |  |
| 2-0011210 |  |  |
| 2-0000662 |  |  |
| 4-0015870 |  |  |
| 4-0000497 |  |  |
| 4-0000234 |  |  |
| 4-0000263 |  |  |
| 1-0000716 |  |  |
| 1-0018904 |  |  |
| 1-0000827 |  |  |
| 1-0000681 |  |  |
| 1-0000482 |  |  |
| 1-0000142 |  |  |
| 1-0000560 |  |  |
| 1-0016361 |  |  |
| 1-0016527 |  |  |
| 1-0016804 |  |  |
| 1-0016915 |  |  |
| 1-0017618 |  |  |
| 1-0017389 |  |  |
| 1-0000678 |  |  |
| 1-0018594 |  |  |
| 3-0025359 |  |  |

100 State St  
462 Randall Road/Westover Industrial Park  
100 State St  
49-50 Sonning Rd



| PrimaryRTN | PrimaryRTN1 | PrimaryRTN2 |
|------------|-------------|-------------|
| 2-0014537  | 2           | 0014537     |
| 2-0014421  | 2           | 0014421     |
| 2-0012082  | 2           | 0012082     |
| 2-0010138  | 2           | 0010138     |
| 2-0011210  | 2           | 0011210     |
| 2-0000662  | 2           | 0000662     |
| 4-0015870  | 4           | 0015870     |
| 4-0000497  | 4           | 0000497     |
| 4-0000234  | 4           | 0000234     |
| 4-0000263  | 4           | 0000263     |
| 1-0000716  | 1           | 0000716     |
| 1-0018904  | 1           | 0018904     |
| 1-0000827  | 1           | 0000827     |
| 1-0000681  | 1           | 0000681     |
| 1-0000482  | 1           | 0000482     |
| 1-0000142  | 1           | 0000142     |
| 1-0000560  | 1           | 0000560     |
| 1-0016361  | 1           | 0016361     |
| 1-0016527  | 1           | 0016527     |
| 1-0016804  | 1           | 0016804     |
| 1-0016915  | 1           | 0016915     |
| 1-0017618  | 1           | 0017618     |
| 1-0017389  | 1           | 0017389     |
| 1-0000678  | 1           | 0000678     |
| 1-0018594  | 1           | 0018594     |
| 3-0025359  | 3           | 0025359     |

Introduction to Statistics for Data Analysis

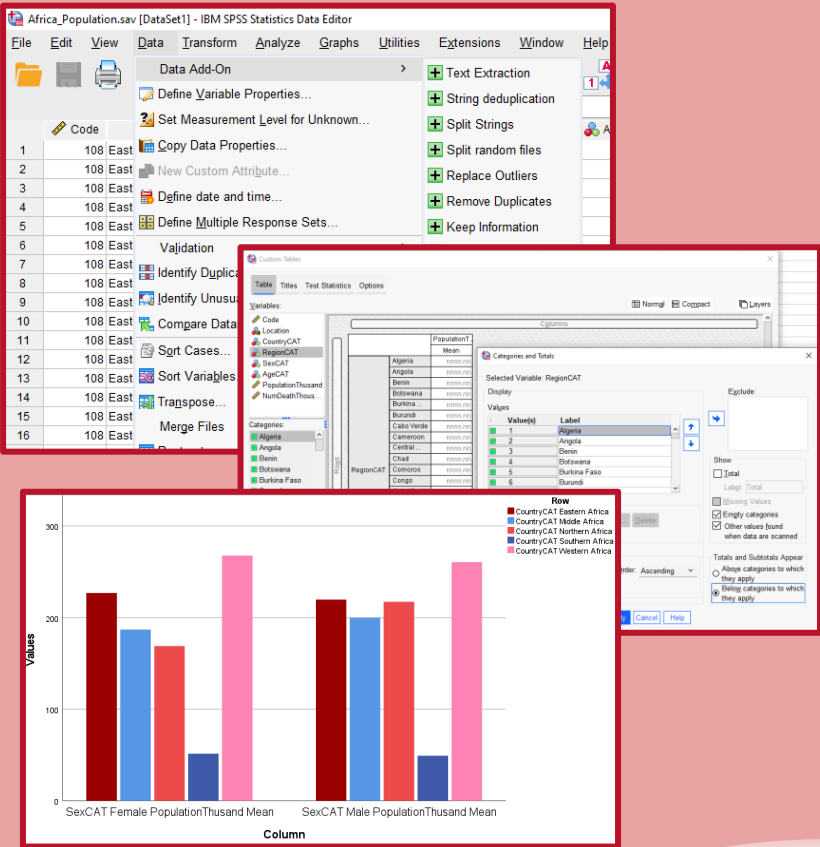
Comparison of Statistics for Data Analysis and spreadsheet

Introduction to Data Preparation

Brief overview to the Analyze Menu

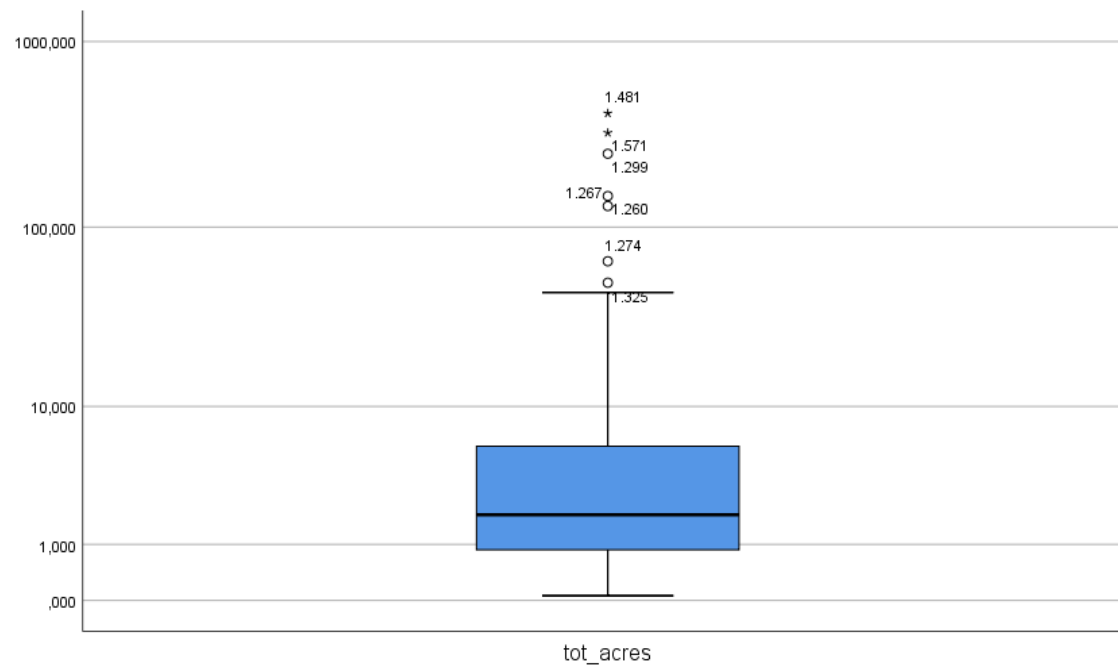
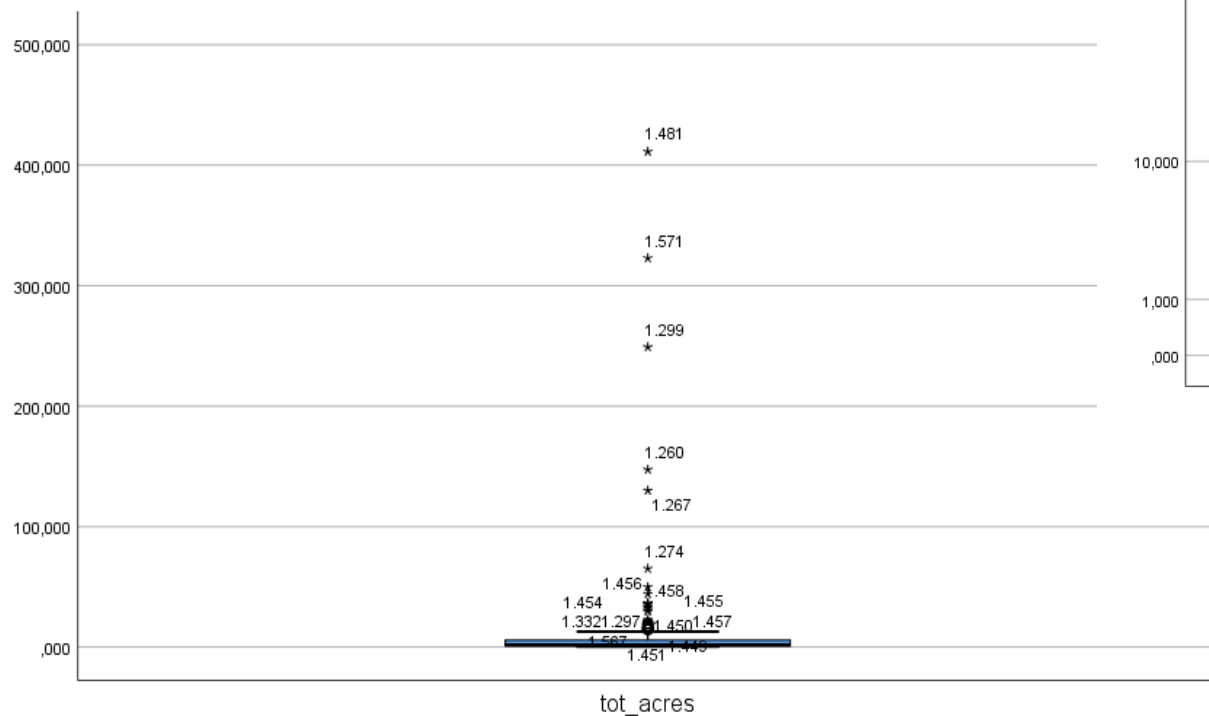
Q&A

Thanks



|       |                  | Town      |         |               |                    |
|-------|------------------|-----------|---------|---------------|--------------------|
|       |                  | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Wakefield        | 2         | ,8      | ,8            | ,8                 |
|       | Wales            | 1         | ,4      | ,4            | 1,3                |
|       | Walpole          | 2         | ,8      | ,8            | 2,1                |
|       | Waltham          | 7         | 3,0     | 3,0           | 5,1                |
|       | Ware             | 4         | 1,7     | 1,7           | 6,8                |
|       | Warren           | 3         | 1,3     | 1,3           | 8,0                |
|       | Webster          | 4         | 1,7     | 1,7           | 9,7                |
|       | WEBSTER          | 2         | ,8      | ,8            | 10,5               |
|       | Wellesley        | 1         | ,4      | ,4            | 11,0               |
|       | West Boylston    | 2         | ,8      | ,8            | 11,8               |
|       | West Brookfield  | 1         | ,4      | ,4            | 12,2               |
|       | West Springfield | 7         | 3,0     | 3,0           | 15,2               |
|       | West Stockbridge | 1         | ,4      | ,4            | 15,6               |
|       | Westborough      | 10        | 4,2     | 4,2           | 19,8               |
|       | WESTBOROUGH      | 1         | ,4      | ,4            | 20,3               |
|       | Westfield        | 10        | 4,2     | 4,2           | 24,5               |
|       | Westford         | 2         | ,8      | ,8            | 25,3               |
|       | Westminster      | 2         | ,8      | ,8            | 26,2               |
|       | Weston           | 1         | ,4      | ,4            | 26,6               |
|       | Westport         | 1         | ,4      | ,4            | 27,0               |
|       | Weymouth         | 1         | ,4      | ,4            | 27,4               |
|       | WHITEVILLE       | 1         | ,4      | ,4            | 27,8               |
|       | Whitman          | 5         | 2,1     | 2,1           | 30,0               |
|       | Wilbraham        | 1         | ,4      | ,4            | 30,4               |
|       | Williamsburg     | 1         | ,4      | ,4            | 30,8               |
|       | Williamstown     | 5         | 2,1     | 2,1           | 32,9               |
|       | Wilmington       | 2         | ,8      | ,8            | 33,8               |
|       | Winchendon       | 7         | 3,0     | 3,0           | 36,7               |
|       | WINCHENDON       | 1         | ,4      | ,4            | 37,1               |
|       | Woburn           | 7         | 3,0     | 3,0           | 40,1               |
|       | Worcester        | 119       | 50,2    | 50,2          | 90,3               |
|       | WORCESTER        | 18        | 7,6     | 7,6           | 97,9               |
|       | Worthington      | 2         | ,8      | ,8            | 98,7               |
|       | Wrentham         | 3         | 1,3     | 1,3           | 100,0              |
|       | Total            | 237       | 100,0   | 100,0         |                    |

Where are most of  
the brownfield?  
Are they  
homogenously  
distributed?



## Report

| tot_area                  |           |    |          |           |
|---------------------------|-----------|----|----------|-----------|
| Town_clean                | Sum       | N  | Median   | Mean      |
| ABINGTON                  | 12.970    | 2  | 6.48500  | 6.48500   |
| ACTON                     | 12.150    | 2  | 6.07500  | 6.07500   |
| ADAMS                     | 459.920   | 9  | 1.20000  | 51.10222  |
| AGAWAM                    | 17.760    | 4  | 3.91000  | 4.44000   |
| AMESBURY                  | 26.600    | 8  | .56000   | 3.32500   |
| AMHERST                   | 17.000    | 1  | 17.00000 | 17.00000  |
| ANDOVER                   | 3.050     | 1  | 3.05000  | 3.05000   |
| ASHBURNHAM                | 1.950     | 1  | 1.95000  | 1.95000   |
| ASHBY                     | 75.670    | 2  | 37.83500 | 37.83500  |
| ASHLAND                   | 2.900     | 1  | 2.90000  | 2.90000   |
| ATHOL                     | 23.270    | 3  | 2.30000  | 7.75667   |
| ATTLEBORO                 | 101.390   | 18 | 3.19000  | 5.63278   |
| AUBURN                    | 51.060    | 7  | 3.00000  | 7.29429   |
| AVON                      | .320      | 1  | .32000   | .32000    |
| AYER                      | 5,219.260 | 6  | 8.64500  | 869.87667 |
| BARNSTABLE-<br>BARNSTABLE | 3.050     | 1  | 3.05000  | 3.05000   |
| BARNSTABLE-HYANNIS        | 9.400     | 2  | 4.70000  | 4.70000   |
| BARRE                     | 34.000    | 3  | 3.73000  | 11.33333  |
| BELCHERTOWN               | 16.430    | 3  | 6.93000  | 5.47667   |
| BELLINGHAM                | 21.300    | 2  | 10.65000 | 10.65000  |
| BERKLEY                   | 14.500    | 1  | 14.50000 | 14.50000  |
| BEVERLY                   | 534.835   | 6  | 26.63250 | 89.13917  |
| BILLERICA                 | 125.000   | 2  | 62.50000 | 62.50000  |
| BOLTON                    | 1.680     | 1  | 1.68000  | 1.68000   |
| BOSTON - DORCHESTER       | .500      | 1  | .50000   | .50000    |
| BOSTON - EAST BOSTON      | 11.070    | 3  | 3.30000  | 3.69000   |
| BOSTON - SOUTH<br>BOSTON  | 1.300     | 1  | 1.30000  | 1.30000   |
| BOSTON (SOUTH)            | .250      | 1  | .25000   | .25000    |
| BOSTON-ALLSTON            | .040      | 1  | .04000   | .04000    |
| BOSTON-DORCHESTER         | 25.870    | 5  | 1.49000  | 5.17400   |
| BOSTON-HYDE PARK          | 21.290    | 3  | 6.31000  | 7.09667   |
| BOSTON-JAMAICA PLAIN      | 3.440     | 2  | 1.72000  | 1.72000   |
| BOSTON-MATTAPAN           | 1.500     | 1  | 1.50000  | 1.50000   |
| BOSTON-ROXBURY            | 4.560     | 3  | 1.28000  | 1.52000   |
| BOSTON-SOUTH BOSTON       | 238.611   | 9  | 14.26100 | 26.51233  |
| BOSTON/DORCHESTER         | 20.000    | 1  | 20.00000 | 20.00000  |

\*brownfield\_rielab.sav [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Compute Variable

1: tot\_area\_sum 5219,259999999

s6

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Benzene

Compute Variable

Target Variable: perc\_areatot

Numgic Expression: tot\_area \* 100 / tot\_area\_sum

Type & Label...

Total Acreage [...]  
tot\_area  
Town\_clean  
log\_area  
coc\_num  
COCs1  
COCs2  
COCs3  
COCs4  
COCs5  
COCs6  
COCs7  
COCs8  
COCs9  
COCs10  
testo\_rimanente  
tot\_area\_sum

Function group:  
All  
Arithmetic  
CDF & Noncentral CDF  
Conversion  
Current Date/Time  
Date Arithmetic  
Date Creation

Functions and Special Variables:

If... (optional case selection condition)

OK Paste Reset Cancel Help

Visible: 29 of 29 Variables

tot\_area\_sum 5219,26 5219,26 5219,26 5219,26 5219,26 5219,26 716,64 716,64 716,64 716,64 707,68 707,68 707,68 707,68 707,68 707,68 629,42 629,42 629,42 629,42 629,42

Data View Variable View

IBM SPSS Statistics Processor is ready Unicode:ON Classic

# QUESTIONS & ANSWERS



## Thanks from Sales e Training di **SPS**

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