

How to run a Principal Component Analysis (PCA) with XLSTAT? demoPCA [Compatibility Mode] - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Add-Ins XLSTAT

Preparing data Visualizing data Analyzing data Modeling data

Discover, explain and predict Factor analysis

Principal Component Analysis (PCA)
Discriminant Analysis (DA)
Correspondence Analysis (CA)
Multiple Correspondence Analysis (MCA)
Multidimensional Scaling (MDS)
k-means clustering
Agglomerative hierarchical clustering (AHC)
Univariate clustering

| State | Total Pop. Jul-1-2001 | Net Int. Migration | Period Births | Period Deaths | < 65 Pop. Est. | > 65 Pop. Est. |
|----------------------|-----------------------|--------------------|---------------|---------------|----------------|----------------|
| Alabama | 4464356 | -1,78 | 0,69 | 14,41 | 10,28 | 869,21 |
| Alaska | 634892 | -1,72 | 2,09 | 15,95 | 4,64 | 941,95 |
| Arizona | 5307331 | 14,25 | 4,29 | 15,88 | 7,77 | 869,54 |
| Arkansas | 2692090 | 0,36 | 1,07 | 14,35 | 10,51 | 861,06 |
| California | 34501130 | -2,01 | 7,88 | 15,37 | 6,72 | 894,03 |
| Colorado | 4417714 | 9,32 | 3,57 | 14,57 | 6,26 | 903,52 |
| Connecticut | 3425074 | -2,37 | 3,50 | 12,52 | 9,00 | 862,64 |
| Delaware | 796165 | 5,39 | -0,04 | 2,12 | 14,01 | 8,79 |
| District of Columbia | 571822 | -7,77 | -0,07 | 5,73 | 14,33 | 10,76 |
| Florida | 16396515 | 12,52 | -0,03 | 5,76 | 12,54 | 10,13 |
| Georgia | 8383915 | 7,07 | -0,07 | 2,71 | 16,16 | 7,75 |
| Hawaii | 1224398 | -2,50 | -0,29 | 4,32 | 15,44 | 6,87 |
| Idaho | 1321006 | 6,40 | -0,03 | 2,24 | 15,00 | 7,34 |
| Illinois | 12482301 | -7,28 | -0,02 | 4,76 | 14,87 | 8,72 |
| Indiana | 6114745 | -1,99 | 0,00 | 1,23 | 14,08 | 9,19 |
| Iowa | 2923179 | 5,68 | 0,00 | 1,21 | 12,83 | 9,70 |
| Kansas | 2694641 | -6,36 | -0,05 | 2,28 | 14,53 | 9,35 |
| Kentucky | 4065556 | 0,15 | -0,06 | 0,75 | 13,63 | 9,89 |
| Louisiana | 4465430 | -7,98 | -0,04 | 0,70 | 15,69 | 9,37 |
| Maine | 1286670 | 6,62 | -0,02 | 0,58 | 10,31 | 9,79 |
| Maryland | 6376166 | 2,10 | -0,06 | 4,02 | 14,16 | 8,90 |

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Discover, explain and predict Test a hypothesis

Principal Component Analysis (PCA)

General Options Supplementary data Missing data Outputs Charts

Observations/variables table: Range:

Data format: Observations/variables table Correlation matrix Covariance matrix

Variable labels Observation labels:

PCA type: Pearson (n) Weights:

OK Cancel Help

| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move from | Net Int. | Period | Period |
|----------------------|----------------------------|-------------------|----------------------------|----------|--------|--------|
| Alabama | 4464356 | -1,78 | | | | |
| Alaska | 634892 | -1,72 | | | | |
| Arizona | 5307331 | 14,25 | | | | |
| Arkansas | 2692090 | 0,36 | | | | |
| California | 34501130 | -2,01 | | | | |
| Colorado | 4417714 | 9,32 | | | | |
| Connecticut | 3425074 | -2,37 | | | | |
| Delaware | 796165 | 5,39 | | | | |
| District of Columbia | 571822 | -7,77 | | | | |
| Florida | 16396515 | 12,52 | | | | |
| Georgia | 8383915 | 7,07 | | | | |
| Hawaii | 1224398 | -2,50 | | | | |
| Idaho | 1321006 | 6,40 | | | | |
| Illinois | 12482301 | -7,28 | | | | |
| Indiana | 6114745 | -1,99 | | | | |

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Preparing data Describing data Visualizing data Analyzing data Modeling data

Correlation/Association tests Parametric tests Nonparametric tests

Discover, explain and predict Test a hypothesis Tools XLSTAT... XLSTAT-TL... XLSTAT-SI... XLSTAT-P... XLSTA...

| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move from abroad | Net Int. Migration | Period Births | Period Deaths | < 65 Pop. Est. | > 65 Pop. Est. |
|----------------------|----------------------------|-------------------|-----------------------------------|--------------------|---------------|---------------|----------------|----------------|
| Alabama | 4464356 | -1,78 | | | | | 869,21 | 130,79 |
| Alaska | 634892 | -1,72 | | | | | 941,95 | 58,05 |
| Arizona | 5307331 | 14,25 | | | | | 869,54 | 130,46 |
| Arkansas | 2692090 | 0,36 | -0,01 | 1,07 | 14,35 | 10,51 | 861,06 | 138,94 |
| California | 34501130 | -2,01 | -0,04 | 7,88 | 15,37 | 6,72 | 894,03 | 105,97 |
| Colorado | 4417714 | 9,32 | -0,06 | 3,57 | 14,57 | 6,26 | 903,52 | 96,48 |
| Connecticut | 3425074 | -2,37 | -0,02 | 3,50 | 12,52 | 9,00 | 862,64 | 137,36 |
| Delaware | 796165 | 5,39 | -0,04 | 2,12 | 14,01 | 8,79 | 869,45 | 130,55 |
| District of Columbia | 571822 | -7,77 | -0,07 | 5,73 | 14,33 | 10,76 | 880,75 | 119,25 |
| Florida | 16396515 | 12,52 | -0,03 | 5,76 | 12,54 | 10,13 | 826,28 | 173,72 |
| Georgia | 8383915 | 7,07 | -0,07 | 2,71 | 16,16 | 7,75 | 904,37 | 95,63 |
| Hawaii | 1224398 | -2,50 | -0,29 | 4,32 | 15,44 | 6,87 | 866,18 | 133,82 |
| Idaho | 1321006 | 6,40 | -0,03 | 2,24 | 15,00 | 7,34 | 887,18 | 112,82 |
| Illinois | 12482301 | -7,28 | -0,02 | 4,76 | 14,87 | 8,72 | 880,26 | 119,74 |
| Indiana | 6114745 | -1,99 | -0,00 | 1,23 | 14,08 | 9,19 | 876,78 | 123,22 |

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|----------------------|----------------------------|-------------------|-----------------------------------|--------------------|---------------|---------------|----------------|----------------|
| Alabama | 4464356 | -1,78 | | | | | 869,21 | 130,79 |
| Alaska | 634892 | -1,72 | | | | | 941,95 | 58,05 |
| Arizona | 5307331 | 14,25 | | | | | 869,54 | 130,46 |
| Arkansas | 2692090 | 0,36 | -0,01 | 1,07 | 14,35 | 10,51 | 861,06 | 138,94 |
| California | 34501130 | -2,01 | -0,04 | 7,88 | 15,37 | 6,72 | 894,03 | 105,97 |
| Colorado | 4417714 | 9,32 | -0,06 | 3,57 | 14,57 | 6,26 | 903,52 | 96,48 |
| Connecticut | 3425074 | -2,37 | -0,02 | 3,50 | 12,52 | 9,00 | 862,64 | 137,36 |
| Delaware | 796165 | 5,39 | -0,04 | 2,12 | 14,01 | 8,79 | 869,45 | 130,55 |
| District of Columbia | 571822 | -7,77 | -0,07 | 5,73 | 14,33 | 10,76 | 880,75 | 119,25 |
| Florida | 16396515 | 12,52 | -0,03 | 5,76 | 12,54 | 10,13 | 826,28 | 173,72 |
| Georgia | 8383915 | 7,07 | -0,07 | 2,71 | 16,16 | 7,75 | 904,37 | 95,63 |
| Hawaii | 1224398 | -2,50 | -0,29 | 4,32 | 15,44 | 6,87 | 866,18 | 133,82 |
| Idaho | 1321006 | 6,40 | -0,03 | 2,24 | 15,00 | 7,34 | 887,18 | 112,82 |
| Illinois | 12482301 | -7,28 | -0,02 | 4,76 | 14,87 | 8,72 | 880,26 | 119,74 |
| Indiana | 6114745 | -1,99 | -0,00 | 1,23 | 14,08 | 9,19 | 876,78 | 123,22 |

Principal Component Analysis (PCA)

General Options Supplementary data Missing data Outputs Charts

Observations/variables table: [Data (rates x 1000)]!\$C:\$H

Data format: Observations/variables table Correlation matrix Covariance matrix

PCA type: Pearson (n)

Variable labels Observation labels Weights

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How to run a Principal Component Analysis (PCA) with XLSTAT? demoPCA [Compatibility Mode] - Microsoft Excel

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Preparing data Describing data Visualizing data Analyzing data Modeling data

Discover, explain and predict

Correlation/Association tests Parametric tests Nonparametric tests

Test a hypothesis

Tools XLSTAT... XLSTAT-TL... XLSTAT-SL... XLSTAT-P... XLSTAT-S... XLSTA...

| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move from abroad | Net Int. Migration | Period Births | Period Deaths | < 65 Pop. Est. | > 65 Pop. Est. |
|----------------------|----------------------------|-------------------|-----------------------------------|--------------------|---------------|---------------|----------------|----------------|
| Alabama | 4464356 | -1,78 | | | | | 869,21 | 130,79 |
| Alaska | 634892 | -1,72 | | | | | 941,95 | 58,05 |
| Arizona | 5307331 | 14,25 | | | | | 869,54 | 130,46 |
| Arkansas | 2692090 | 0,36 | | -0,01 | 1,07 | 14,35 | 10,51 | 861,06 |
| California | 34501130 | -2,01 | | -0,04 | 7,88 | 15,37 | 6,72 | 894,03 |
| Colorado | 4417714 | 9,32 | | -0,06 | 3,57 | 14,57 | 6,26 | 903,52 |
| Connecticut | 3425074 | -2,37 | | -0,02 | 3,50 | 12,52 | 9,00 | 862,64 |
| Delaware | 796165 | 5,39 | | -0,04 | 2,12 | 14,01 | 8,79 | 869,45 |
| District of Columbia | 571822 | -7,77 | | -0,07 | 5,73 | 14,33 | 10,76 | 880,75 |
| Florida | 16396515 | 12,52 | | -0,03 | 5,76 | 12,54 | 10,13 | 826,28 |
| Georgia | 8383915 | 7,07 | | -0,07 | 2,71 | 16,16 | 7,75 | 904,37 |
| Hawaii | 1224398 | -2,50 | | -0,29 | 4,32 | 15,44 | 6,87 | 866,18 |
| Idaho | 1321006 | 6,40 | | -0,03 | 2,24 | 15,00 | 7,34 | 887,18 |
| Illinois | 12482301 | -7,28 | | -0,02 | 4,76 | 14,87 | 8,72 | 880,26 |
| Indiana | 6114745 | -1,99 | | -0,00 | 1,23 | 14,08 | 9,19 | 876,78 |

Data (rates x 1000) !SA:SA

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Preparing data Describing data Visualizing data Analyzing data Modeling data

Discover, explain and predict

Correlation/Association tests Parametric tests Nonparametric tests

Test a hypothesis

Tools XLSTAT... XLSTAT-TL... XLSTAT-SL... XLSTAT-P... XLSTAT-S... XLSTA...

| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move from abroad | Net Int. Migration | Period Births | Period Deaths | < 65 Pop. Est. | > 65 Pop. Est. |
|----------------------|----------------------------|-------------------|-----------------------------------|--------------------|---------------|---------------|----------------|----------------|
| Alabama | 4464356 | -1,78 | | | | | 869,21 | 130,79 |
| Alaska | 634892 | -1,72 | | | | | 941,95 | 58,05 |
| Arizona | 5307331 | 14,25 | | | | | 869,54 | 130,46 |
| Arkansas | 2692090 | 0,36 | | -0,01 | 1,07 | 14,35 | 10,51 | 861,06 |
| California | 34501130 | -2,01 | | -0,04 | 7,88 | 15,37 | 6,72 | 894,03 |
| Colorado | 4417714 | 9,32 | | -0,06 | 3,57 | 14,57 | 6,26 | 903,52 |
| Connecticut | 3425074 | -2,37 | | -0,02 | 3,50 | 12,52 | 9,00 | 862,64 |
| Delaware | 796165 | 5,39 | | -0,04 | 2,12 | 14,01 | 8,79 | 869,45 |
| District of Columbia | 571822 | -7,77 | | -0,07 | 5,73 | 14,33 | 10,76 | 880,75 |
| Florida | 16396515 | 12,52 | | -0,03 | 5,76 | 12,54 | 10,13 | 826,28 |
| Georgia | 8383915 | 7,07 | | -0,07 | 2,71 | 16,16 | 7,75 | 904,37 |
| Hawaii | 1224398 | -2,50 | | -0,29 | 4,32 | 15,44 | 6,87 | 866,18 |
| Idaho | 1321006 | 6,40 | | -0,03 | 2,24 | 15,00 | 7,34 | 887,18 |
| Illinois | 12482301 | -7,28 | | -0,02 | 4,76 | 14,87 | 8,72 | 880,26 |
| Indiana | 6114745 | -1,99 | | -0,00 | 1,23 | 14,08 | 9,19 | 876,78 |

Principal Component Analysis (PCA)

General | Options | Supplementary data | Missing data | Outputs | Charts

Do not accept missing data

Remove the observations

Pairwise deletion

Estimate missing data:

None or mode

Iterative Lagrange

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Preparing data Describing data Visualizing data Analyzing data Modeling data Correlation/Association tests Parametric tests Nonparametric tests Tools XLSTAT... XLSTAT-Ti... XLSTAT-Si... XLSTAT-P... XLSTAT-S... XLSTA

Discover, explain and predict Test a hypothesis

| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move fro | Net Int. | Period | Period |
|----------------------|----------------------------|-------------------|---------------------------|----------|--------|--------|
| Alabama | 4464356 | -1,78 | | | | |
| Alaska | 634892 | -1,72 | | | | |
| Arizona | 5307331 | 14,25 | | | | |
| Arkansas | 2692090 | 0,36 | | | | |
| California | 34501130 | -2,01 | | | | |
| Colorado | 4417714 | 9,32 | | | | |
| Connecticut | 3425074 | -2,37 | | | | |
| Delaware | 796165 | 5,39 | | | | |
| District of Columbia | 571822 | -7,77 | | | | |
| Florida | 16396515 | 12,52 | | | | |
| Georgia | 8383915 | 7,07 | | | | |
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| Idaho | 1321006 | 6,40 | | | | |
| Illinois | 12482301 | -7,28 | | | | |
| Indiana | 6114745 | -1,99 | | | | |

Principal Component Analysis (PCA)

General | Options | Supplementary data | Missing data | Outputs | Charts

- Descriptive statistics
- Correlations
- Test significance
- Bartlett's sphericity test
- Significance level (%): 5
- Eigenvalues
- Factor loadings
- Variables/Factors correlations
- Factor scores
- Contributions
- Squared cosines

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Preparing data Describing data Visualizing data Analyzing data Modeling data Correlation/Association tests Parametric tests Nonparametric tests Tools XLSTAT... XLSTAT-Ti... XLSTAT-Si... XLSTAT-P... XLSTAT-S... XLSTA

Discover, explain and predict Test a hypothesis

| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move fro | Net Int. | Period | Period |
|----------------------|----------------------------|-------------------|---------------------------|----------|--------|--------|
| Alabama | 4464356 | -1,78 | | | | |
| Alaska | 634892 | -1,72 | | | | |
| Arizona | 5307331 | 14,25 | | | | |
| Arkansas | 2692090 | 0,36 | | | | |
| California | 34501130 | -2,01 | | | | |
| Colorado | 4417714 | 9,32 | | | | |
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| Idaho | 1321006 | 6,40 | | | | |
| Illinois | 12482301 | -7,28 | | | | |
| Indiana | 6114745 | -1,99 | | | | |

Principal Component Analysis (PCA)

General | Options | Supplementary data | Missing data | Outputs | Charts

- Correlation charts
- Vectors
- Observations charts
- Labels
- Biplots
- Vectors
- Labels
- Type of biplot: Correlation biplot
- Coefficient: Automatic
- Colored labels
- Filter: N first rows
- Number of observations: 50
- Group variable:

OK Cancel Help

How to run a Principal Component Analysis (PCA) with XLSTAT? demoPCA [Compatibility Mode] - Microsoft Excel

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Preparing data Describing data Visualizing data Analyzing data Modeling data Correlation/Association tests Parametric tests Nonparametric tests Tools XLSTAT... XLSTAT-Ti... XLSTAT-Si... XLSTAT-P... XLSTAT-S... XLSTA

Discover, explain and predict Test a hypothesis

| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move fro | Net Int. | Period | Period |
|----------------------|----------------------------|-------------------|---------------------------|----------|--------|--------|
| Alabama | 4464356 | -1,78 | | | | |
| Alaska | 634892 | -1,72 | | | | |
| Arizona | 5307331 | 14,25 | | | | |
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| Colorado | 4417714 | 9,32 | | | | |
| Connecticut | 3425074 | -2,37 | | | | |
| Delaware | 796165 | 5,39 | | | | |
| District of Columbia | 571822 | -7,77 | | | | |
| Florida | 16396515 | 12,52 | | | | |
| Georgia | 8383915 | 7,07 | | | | |
| Hawaii | 1224398 | -2,50 | | | | |
| Idaho | 1321006 | 6,40 | | | | |
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Principal Component Analysis (PCA)

General | Options | Supplementary data | Missing data | Outputs | Charts

- Correlation charts
- Vectors
- Observations charts
- Labels
- Biplots
- Vectors
- Labels

Type of biplot: Correlation biplot

Coefficient: Automatic

Colored labels

Filter: n

Number of observations: 50

Group variable:

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How to run a Principal Component Analysis (PCA) with XLSTAT? demoPCA [Compatibility Mode] - Microsoft Excel

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Preparing data Describing data Visualizing data Analyzing data Modeling data Correlation/Association tests Parametric tests Nonparametric tests Tools XLSTAT... XLSTAT-Ti... XLSTAT-Si... XLSTAT-P... XLSTAT-S... XLSTA

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| State | Total Pop. Est. Jul-1-2001 | Net Domestic Mig. | Federal/Civilian move fro | Net Int. | Period | Period |
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| Alaska | 634892 | -1,72 | | | | |
| Arizona | 5307331 | 14,25 | | | | |
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| California | 34501130 | -2,01 | | | | |
| Colorado | 4417714 | 9,32 | | | | |
| Connecticut | 3425074 | -2,37 | | | | |
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| District of Columbia | 571822 | -7,77 | | | | |
| Florida | 16396515 | 12,52 | | | | |
| Georgia | 8383915 | 7,07 | | | | |
| Hawaii | 1224398 | -2,50 | | | | |
| Idaho | 1321006 | 6,40 | | | | |
| Illinois | 12482301 | -7,28 | | | | |
| Indiana | 6114745 | -1,99 | | | | |

Principal Component Analysis (PCA)

General | Options | Supplementary data | Missing data | Outputs | Charts

- Correlation charts
- Vectors
- Observations charts
- Labels
- Biplots
- Vectors
- Labels

Type of biplot: Correlation biplot

Coefficient: n/p

Colored labels

Filter: N first rows

Number of observations: 50

Group variable:

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| Connecticut | 3425074 | -2,37 | | | | | | |
| Delaware | 796165 | 5,39 | | | | | | |
| District of Columbia | 571822 | -7,77 | | | | | | |
| Florida | 16396515 | 12,52 | | | | | | |
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| Hawaii | 1224398 | -2,50 | | | | | | |
| Idaho | 1321006 | 6,40 | | | | | | |
| Illinois | 12482301 | -7,28 | | | | | | |
| Indiana | 6114745 | -1,99 | | | | | | |

Principal Component Analysis (PCA)

General | Options | Supplementary data | Missing data | Outputs | Charts

Correlation charts Type of biplot: Correlation biplot

Vectors Coefficient: n/p

Observations charts Colored labels

Labels Filter: N first rows

Biplots Number of observations: 50

Vectors Group variable:

Labels

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| Florida | 16396515 | 12,52 | | | | | | |
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| Hawaii | 1224398 | -2,50 | | | | | | |
| Idaho | 1321006 | 6,40 | | | | | | |
| Illinois | 12482301 | -7,28 | | | | | | |
| Indiana | 6114745 | -1,99 | | | | | | |

XLSTAT - Selections

List of selections:

| Selection name | Rows | Columns |
|------------------------------|------|---------|
| Observations/variables table | 51 | 7 |
| Observation labels | 51 | 1 |

Do not show this message anymore

Continue Back Cancel

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Discover, explain and predict Test a hypothesis

$=SERIES(PCA!$B$41;PCA!$C$38:$H$38;PCA!$C$41:$H$41;2)$

1 XLSTAT 2010.5.02 - Principal Component Analysis (PCA) - on 13/10/2010 at 16:37:17
 2 Observations/variables table: Workbook = demoPCA.xls / Sheet = Data (rates x 1000) / Range = 'Data (rates x 1000)!'\$C:\$I / 51 rows and 7 columns
 3 Observation labels: Workbook = demoPCA.xls / Sheet = Data (rates x 1000) / Range = 'Data (rates x 1000)!'\$A:\$A / 51 rows and 1 column
 4 PCA type: Pearson (n)
 5 Type of biplot: Correlation biplot / Coefficient = n/p

6
7
8
9 Summary statistics:

| Variable | Observation | with missin | thout missi | Minimum | Maximum |
|-------------|-------------|-------------|-------------|---------|---------|
| Net Dome | 51 | 0 | 51 | -13.483 | 27.344 |
| Federal/Ci | 51 | 0 | 51 | -0.293 | -0.001 |
| Net Int. Mi | 51 | 0 | 51 | 0.272 | 7.879 |
| Period Birt | 51 | 0 | 51 | 10.313 | 20.404 |
| Period Dec | 51 | 0 | 51 | 4.645 | 11.896 |
| < 65 Pop. | 51 | 0 | 51 | 826.278 | 941.949 |
| > 65 Pop. | 51 | 0 | 51 | 58.051 | 173.722 |

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Correlation matrix (Pearson (n)): Plus de vidéos

How to run a Principal Component Analysis (PCA) with XLSTAT? demoPCA [Compatibility Mode] - Microsoft Excel

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Preparing data Describing data Visualizing data Analyzing data Modeling data Correlation/Association tests Parametric tests Nonparametric tests Tools XLSTAT... XLSTAT-Ti... XLSTAT-Si... XLSTAT-P... XLSTAT-S... XLSTA

Discover, explain and predict Test a hypothesis

$=SERIES(PCA!$B$41;PCA!$C$38:$H$38;PCA!$C$41:$H$41;2)$

1 XLSTAT 2010.5.02 - Principal Component Analysis (PCA) - on 13/10/2010 at 16:37:17
 2 Observations/variables table: Workbook = demoPCA.xls / Sheet = Data (rates x 1000) / Range = 'Data (rates x 1000)!'\$C:\$I / 51 rows and 7 columns
 3 Observation labels: Workbook = demoPCA.xls / Sheet = Data (rates x 1000) / Range = 'Data (rates x 1000)!'\$A:\$A / 51 rows and 1 column
 4 PCA type: Pearson (n)
 5 Type of biplot: Correlation biplot / Coefficient = n/p

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7
8
9 Summary statistics:

| Variable | Observation | with missin | thout missi | Minimum | Maximum |
|-------------|-------------|-------------|-------------|---------|---------|
| Net Dome | 51 | 0 | 51 | -13.483 | 27.344 |
| Federal/Ci | 51 | 0 | 51 | -0.293 | -0.001 |
| Net Int. Mi | 51 | 0 | 51 | 0.272 | 7.879 |
| Period Birt | 51 | 0 | 51 | 10.313 | 20.404 |
| Period Dec | 51 | 0 | 51 | 4.645 | 11.896 |
| < 65 Pop. | 51 | 0 | 51 | 826.278 | 941.949 |
| > 65 Pop. | 51 | 0 | 51 | 58.051 | 173.722 |

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Correlation matrix (Pearson (n)): Plus de vidéos

