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Joint Research Centre



COIN Tool

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What is it?

An Excel tool which builds and explores your composite indicator from a given data set. Use it to build/audit/cross-check your index.

Features

- Copy/paste an indicator set with up to 99 indicators, 33 sub-pillars, 11 pillars and 3 sub-indexes
- Automatic calculation of composite indicator scores and ranks
- Detailed indicator statistics (mean/std/skew/kurtosis/quartiles/etc.)
- Error highlighting
- Automatic outlier adjustment via Winsorisation
- Correlation analysis
- Re-weighting options
- Visualisation of scores and ranks
- Alternative ranking via Borda and Copeland methods
- Robustness analysis and visualisation of imputation

Tool-Rules

The COIN Tool is built inside Excel to make it as widely applicable as possible. This involves “stretching” the capabilities of Excel somewhat. Follow these rules for a smooth COIN-Tool experience.

1. Disable automatic formula updating (Options -> Formulas -> Calculation Options -> Manual)
2. Having done (1) any time you want to re-calculate, press F9. Be prepared to wait a few seconds.
3. Try to only enter and delete text (not formulas). So, don't delete any entire columns, avoid copying any cells by dragging, particularly if they have formulas in.
4. Make sure you set any missing data to “n/a” and no other marker.



THANK YOU

Any questions?

Welcome to email us at: jrc-coin@ec.europa.eu

COIN in the EU Science Hub

<https://ec.europa.eu/jrc/en/coin>

COIN tools are available at:

<https://composite-indicators.jrc.ec.europa.eu/>

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