What is new in CORNERSTONE 7.2?
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- Sensitivity Analysis
- Computed Column Functions for Random Number Generation
- New Demodata
- Miscellaneous
Features:
- Tool to predict process robustness
- Error Propagation in regression models or computed columns based on Monte Carlo Simulation
- Apply various noise distributions to each predictor
- Natural enhancement of DoE for early guess of process capability through analyzing resulting statistical distribution
- Partially supersedes Taguchi designs
- Linked to model producing analysis object.
Computed Column Functions for Random Number Generation

Several functions to generate random numbers in Computed Columns have been added:

- `runiform(a,b)`: Generates random numbers from a rectangular distribution in the interval \([a,b]\)

- `rtriangle(a,b,c)`: Generates random numbers from a triangle distribution in the interval \([a,c]\) with peak at \(b\).

- `rt(df)`: Generates random numbers from a students t distribution with “\(df\)” degrees of freedom.

- `rf(df1,df2)`: Generates random numbers from a Fischer F distribution with “\(df1\)” nominator and “\(df2\)” denominator degrees of freedom.

- `rlognorm(m,s)`: Generates random numbers from a log-normal distribution with mean “\(m\)” and stdev “\(s\)”.

New Demodata

- Demodata are split for different Cornerstone analysis types
- Demodata have detail tooltip of how to use
New Demodata

- Some demo dataset now have reasonable size
- Special Analysis features are addressed
Pre-defined Column Type for Reread
- Data Navigator there is a new option “Keep column type when reread” for a data source.
- Keeps the column type when rereading
- Use case:
  one creates some new columns with predefined column types, e.g. discrete column type, after performing rereading the column type is always discrete, even the data is numerical.

New CEL function: Add Arrow Line between Two Elements

Performance Enhancement
- A new preference $GUI.Simplified$ is provided to switch off toolbars and property windows for graph elements. Especially useful when used in batch mode.
Thank you