

# Excel Constraints

December 8, 2015

## 1 Demo example

The annotated example demonstrates the most used constraints in Excel which we aim to identify automatically.

**Aggregates** Aggregate functions like sum, max, average, ...

**Conditional aggregates** Aggregates that use a filter on their input

**Series** Ranges of integer numbers, ascending or descending

**Lookups** Exact or fuzzy lookups that use a key to find a corresponding value

**Ranks** Uses values to determine an order

**Structural constraints** Foreign keys to test value consistency between ranges

**Previous** Uses row values and the previous value to compute the current value

