



# Analytical Process Test



## Prerequisites:

- Contoso dataset (CONTOSO\_DATASET.zip)
- Any BI Tools (prefer Looker Studio, but you can use any tools that you are comfortable with)

## Test:

- **Loading tables to BI tool** - it is required to load only these tables to a place that your tool can manipulate the data with:
  - Lookup Tables > Contoso Lookup Tables.xlsx > DIM Date
  - Lookup Tables > Contoso Lookup Tables.xlsx > DIM Product
  - Lookup Tables > Contoso Lookup Tables.xlsx > DIM Product Category
  - Lookup Tables > Contoso Lookup Tables.xlsx > DIM Product Sub Category
  - Datatables > 2008 Contoso Data.xlsx > FACT Sales
  - Datatables > 2009 Contoso Data.xlsx > FACT Sales
- **Data modeling** - it is required to do the following tasks:
  - Cleanse the above tables.
  - Model the above tables following Star Schema.
- **Data Visualization:** it is required to do the following tasks:
  - 1 strategic dashboard to track revenue, comparing YOY.
  - 1-3 analytic dashboards to analyze revenue.
- **Data analysis:** it is required to do the following tasks:
  - Use the above dashboard to analyze revenue, the topic is up to you.
  - Present in a slide with less than 10 pages (feel free to have Appendix if needed).
  - Note: If possible, tell us WHY you do like that, not just HOW you do.