



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.