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DATA WAREHOUSING PROJECT DELIVERABLE: DASHBOARDING FOR THE ACME-FLYING USE CASE

Assumptions

- **CAUTION***: The tableau solution we presented takes an unusual amount of time in our laptops (specially the third and fourth queries). We are not aware if this is a computation problem of our machines or a connection one but it may take 6+ minutes to retrieve the data from the oracle database and present it in the sheet. Only for time-saving purposes we have attached to this document a preview of the dashboard.
- We have decided to use a multi-layered model where the associations between tables (joins) would be done in the physical layer in order to create logical ones. Then the logical tables can have relationships with each other so their data can be combined.
- In all filtered queries we have decided that the proper way to show the data is using the *filter* option on the demanded attribute and not the *pages* one. This way we can filter by multiple values of the variable.
- The aggregation function will be decided in Tableau, another approach would be to retrieve the data already aggregated when defining the calculated fields. However, we find the Tableau solution to be straightforward and correct.
- In the second query statement "*differences among groups over time*" we are assuming it refers to groups of aircrafts for each of the selected variables.