

# Non-Conformance Report

- **Problem.**

Connection as `conn` in `top_recipients_df = pd.read_sql_query(sql_recipients, conn)`.

- **Severity and Impact.**

Unable to get data for the bar chart of top recipients as my connection was not recognized in my code which is `top_recipients_df = pd.read_sql_query(sql_recipients, conn)`.

- **How it occurred.**

Due to some connection problems with `sqlite3`, the codes written were not executed and there was an error that showed that “`conn`” was not defined.

- **How to prevent it from happening again.**

Since the `conn = sqlite3.connect("enron.db")` was already written and the code was still not executed, it was written again above the code `top_recipients_df = pd.read_sql_query(sql_recipients, conn)` so that it can be recognized and defined. After that, the data of the bar chart for top recipients appeared, and hence was able to get the bar chart.

- **Plan or time estimate to fix.**

After analyzing the codes carefully, re-writing some codes, and re-run every code snippet, it took around 1 to 2 hours maximum to get the `conn` to be defined and for the code to run.