

# Lesson 7 Exercises

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Let's do some practice problems to challenge your understanding of `Vertica` and review the material from the prior lessons.

1. Write a query to collect the last 30 days of stats for the client of your choice and save it as a `.sql` file. Make the query simple (like the one we used in the lesson) and dynamic. Use `read_sql` to read the query into a string and query Vertica once you have modified the query. Use `dplyr` to pivot the data up as you wish, then save the dataframe to a CSV.
2. Using the dataframe you obtained in (1), (a) make a `ggplot`-themed `ggplot` showing spend by day. (b) Save the graph as a PNG. (c) Send both the PNG and the CSV from (1) to yourself using `send_email`.
3. Turn the dataframe and `ggplot` from (1) and (2) into a PowerPoint using `Reporters` and `Reporters`. Send yourself the deck.