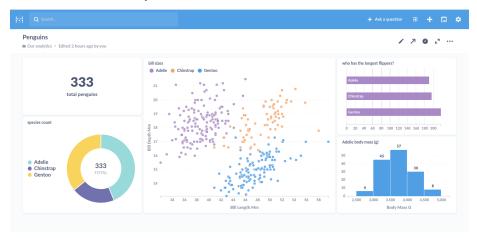
Exercise: Creating Tables

Create a table in SQL and fill it with data.



1. Connect to Postgres

Connect to your Postgres database via the command line:

psql

If you specified a username (-U) or database name (-d) earlier, do it again.

2. Create a table

Adapt the SQL command for creating a table that matches your CSV data. Here you find a starting point:

```
CREATE TABLE IF NOT EXISTS penguins (
    id SERIAL PRIMARY KEY,
    species TEXT,
    gender VARCHAR(10),
    bill_length_mm NUMERIC NOT NULL,
    body_mass_g INT CHECK (body_mass >= 0 AND body_mass < 10000)</pre>
);
You should see the response:
CREATE TABLE
```

3. Load data

Copy one CSV file to the newly created table.

Adapt the command:

\copy penguins FROM '<path>/penguins.csv' DELIMITER ',' CSV HEADER;

Replace <path> by the absolute path to your penguins.csv using forward slashes (/).

You should see a response like:

COPY 50

This tells you that 50 rows have been copied into the table.

4. Inspect the data

Make sure that the data is in your table by typing in the query:

SELECT * FROM penguins;

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