SQL Queries

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| Query | File name saved to |
| SELECT "Country/Region/World", AVG("Mean total cholesterol (mmol/L)") AS average\_chol,  CASE  WHEN AVG("Mean total cholesterol (mmol/L)") < '5.2' THEN 'Desirable'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '5.2' AND AVG("Mean total cholesterol (mmol/L)") <= '6.1' THEN 'Borderline High'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '6.2' THEN 'High'  END AS Cholesterol\_Level\_Category  FROM public.cholesterol  GROUP BY "Country/Region/World"  ORDER BY average\_chol DESC | Cholesterol\_Categorised  Query used to categorise how a countries average cholesterol level is |
| SELECT "Country/Region/World", AVG("Mean total cholesterol (mmol/L)") AS average\_chol,  CASE  WHEN AVG("Mean total cholesterol (mmol/L)") < '5.2' THEN 'Desirable'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '5.2' AND AVG("Mean total cholesterol (mmol/L)") <= '6.1' THEN 'Borderline High'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '6.2' THEN 'High'  END AS Cholesterol\_Level\_Category  FROM public.cholesterol  WHERE "Sex" = 'Men'  GROUP BY "Country/Region/World"  ORDER BY average\_chol DESC | Cholesterol\_Categorised\_Male  Query used to categorise how a countries average cholesterol level is for Males |
| SELECT "Country/Region/World", AVG("Mean total cholesterol (mmol/L)") AS average\_chol,  CASE  WHEN AVG("Mean total cholesterol (mmol/L)") < '5.2' THEN 'Desirable'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '5.2' AND AVG("Mean total cholesterol (mmol/L)") <= '6.1' THEN 'Borderline High'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '6.2' THEN 'High'  END AS Cholesterol\_Level\_Category  FROM public.cholesterol  WHERE "Sex" = Women  GROUP BY "Country/Region/World"  ORDER BY average\_chol DESC | Cholesterol\_Categorised\_Female  Query used to categorise how a countries average cholesterol level is for females |
| SELECT "Country/Region/World", AVG("Mean HDL cholesterol (mmol/L)") AS average\_HDL\_chol,  CASE  WHEN AVG("Mean HDL cholesterol (mmol/L)") < '0.9' THEN 'Low'  WHEN AVG("Mean HDL cholesterol (mmol/L)") >= '0.9' AND AVG("Mean HDL cholesterol (mmol/L)") <= '2.1' THEN 'Desirable'  WHEN AVG("Mean HDL cholesterol (mmol/L)") >= '2.2' THEN 'High'  END AS Cholesterol\_HDL\_Level\_Category  FROM public.cholesterol  GROUP BY "Country/Region/World"  ORDER BY average\_HDL\_chol DESC | Good\_Cholesterol\_Categorised  Query used to categorise how a countries average good cholesterol level is |
| SELECT "Country/Region/World", AVG("Mean HDL cholesterol (mmol/L)") AS average\_HDL\_chol,  CASE  WHEN AVG("Mean HDL cholesterol (mmol/L)") < '0.9' THEN 'Low'  WHEN AVG("Mean HDL cholesterol (mmol/L)") >= '0.9' AND AVG("Mean HDL cholesterol (mmol/L)") <= '2.1' THEN 'Desirable'  WHEN AVG("Mean HDL cholesterol (mmol/L)") >= '2.2' THEN 'High'  END AS Cholesterol\_HDL\_Level\_Category  FROM public.cholesterol  WHERE "Year" = '2018'  GROUP BY "Country/Region/World"  ORDER BY average\_HDL\_chol DESC | Good\_Cholesterol\_Categorised\_Year\_2018  Query used to categorise how a countries average good cholesterol level is in 2018 |
| SELECT "Country/Region/World", "Year", AVG("Mean HDL cholesterol (mmol/L)") AS average\_HDL\_chol,  CASE  WHEN AVG("Mean HDL cholesterol (mmol/L)") < '0.9' THEN 'Low'  WHEN AVG("Mean HDL cholesterol (mmol/L)") >= '0.9' AND AVG("Mean HDL cholesterol (mmol/L)") <= '2.1' THEN 'Desirable'  WHEN AVG("Mean HDL cholesterol (mmol/L)") >= '2.2' THEN 'High'  END AS Cholesterol\_HDL\_Level\_Category  FROM public.cholesterol  WHERE "Country/Region/World" = 'Australia'  GROUP BY "Country/Region/World", "Year" | Good\_Cholesterol\_Categorised\_Over\_Time\_Australia  Query used to categorise Australia’s good cholesterol levels overtime |
| SELECT "Country/Region/World", "Year", AVG("Mean total cholesterol (mmol/L)") AS average\_chol,  CASE  WHEN AVG("Mean total cholesterol (mmol/L)") < '5.2' THEN 'Desirable'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '5.2' AND AVG("Mean total cholesterol (mmol/L)") <= '6.1' THEN 'Borderline High'  WHEN AVG("Mean total cholesterol (mmol/L)") >= '6.2' THEN 'High'  END AS Cholesterol\_Level\_Category  FROM public.cholesterol  WHERE "Country/Region/World" = 'Australia'  GROUP BY "Country/Region/World", "Year"  ORDER BY average\_chol DESC | Cholesterol\_Categorised\_Over\_Time\_Australia  Cholesterol Levels over time in Australia, categorised |
| SELECT \*,  CASE  WHEN "Mean systolic blood pressure (mmHg)" <'120' AND "Mean diastolic blood pressure (mmHg)" < '80' THEN 'Normal'  WHEN "Mean systolic blood pressure (mmHg)" >= '120' AND "Mean diastolic blood pressure (mmHg)" < '80' THEN 'Elevated'  WHEN "Mean systolic blood pressure (mmHg)" >= '130' AND "Mean diastolic blood pressure (mmHg)" >= '80' THEN 'High Blood Pressure'  WHEN "Mean systolic blood pressure (mmHg)" >= '140' AND "Mean diastolic blood pressure (mmHg)" >= '90'THEN 'High Blood Pressure Stage 2'  END AS Blood\_Pressure  FROM public.blood\_pressure  WHERE "Country/Region/World" = 'Australia' | Blood\_Pressure\_Australia  Blood pressure levels in Australia since the 1970s |
| SELECT "Country", "Year", "Average\_Obesity\_Rate",  LAG("Average\_Obesity\_Rate") OVER(ORDER BY "Year") AS Previous\_Year\_Obesity\_Rate,  "Average\_Obesity\_Rate" - LAG("Average\_Obesity\_Rate") OVER(ORDER BY "Year") AS YoY\_Difference  FROM public.world\_obesity  WHERE "Country" = 'Australia' AND "Sex" = 'Both sexes'; | Obesity\_With\_YOY\_Difference  Calculated the Year-on-Year difference in Obesity rates for Australia |
| SELECT \*  FROM public.world\_obesity AS wo  WHERE (wo."Sex" = 'Male' OR wo."Sex" = 'Female')  AND  "Country" = 'Australia'  ORDER BY "Sex", "Year" | Obesity\_By\_Sex\_And\_Year  Filtered to only have Australian data, and to order it first by year, then sex |
| SELECT \*  FROM public.diabetes  WHERE "Country/Region/World" = 'Australia' | Diabetes\_Australia  Filtered to get on Australian data |