

- **Expected outcomes and significance:**

- a) What do you expect to find?
- b) What impact could such findings have?
- c) What future questions could this lead to?

a)

- We expect to find a positive correlation between median family income, number of beds, and number of baths with housing prices in several Canadian cities.
- We would like to identify which factors seem to have a stronger influence on housing prices compared to others
- We would also hope to notice interesting patterns in how these factors differ by city.

b)

- Our findings could help people understand what factors contribute to housing costs
- Understanding these factors could be important for influencing urban planners, developers, and real-estate investors to make decisions about housing development, planning, and investing

c)

- Our study may lead to further questions about *why* certain factors have a stronger influence on housing prices in some cities compared to others
- Are there non-linear relationships between the predictors? For example, does the effect of adding an extra bedroom on housing price diminish at higher income levels?
- How do these relationships between median family income, number of beds/baths, and housing prices change over time? Are there any seasonal or longitudinal trends that could be looked into?