

TU059/TU060/TU258/PhD
Probability and Statistical Inference
CA Task 1 – Questions for each Dataset

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Questions for Dataset: Bike Sharing

- Question 1. Does the temperature (actual) impact the total number of bikes hired per day?
- Question 2. Does the level of humidity impact the total number of bikes hired per day?
- Question 3. Does the total number of bikes hired per day vary according to whether a day is a regular weekday or a weekend?
- Question 4. Does the total number of bikes hired per day vary by the day of week?
- Question 5. Is weather situation related to the season?

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Questions for Dataset: Life Expectancy

- Question 1. Does population size impact adult mortality rate?
- Question 2. Does alcohol consumption impact adult mortality rate?
- Question 3. Does adult mortality rate vary for developed v developing countries?
- Question 4. Does adult mortality rate vary by geographic region?
- Question 5. Is developing/developed status related to geographic region?

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Questions for Dataset: Engineering Education

- Question 1.** Does a student's achievement in Citizen Competencies on SABER 11 influence their achievement in Citizen Competencies on SABER PRO ?
- Question 2.** Does a student's achievement in Written Communication on SABER 11 influence their achievement in Citizen Competencies on SABER PRO?
- Question 3.** Does student achievement in Citizen Competencies on SABER 11 vary depending on access to the internet at home?
- Question 4.** Does student achievement in Citizen Competencies on SABER 11 vary by type of school attended by the student?
- Question 5.** Are a mother's and father's level of education related?