# Practical 6 – CP2403

(Please ensure you show your work to your tutor once completed as each practical is 3 marks.) s

Ensure you add you name to the top of the Jupyter notebook**.**

**Part 1** – Download the Jupyter notebook for Module 6 and run the notebook

**Part 2**

Ensure you have completed Prac 1, Prac 2 and Prac 3.

Download the Jupyter Notebook Template for Prac 6 from LearnJCU. Complete the template & run the code. Refer to Module 6 Lecture Jupyter Notebook for help

Complete the questions in Part 3 as you work on the Prac 6 template

**Part 3**

**Scenario 1**

We want to find out if the rate of beer drinking frequency (BEER\_FEQMO) is related to beer dependence (S2BQ1B1)

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| **Step 1: hypothesis** |
| Null hypothesis (Ho): (Slide 18) |
| Alternative (Ha) hypothesis: (Slide 18) |
| **Step 2: Data Selection** |
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| **Step 3: Assess the evidence** |
| Cross Tab |
| Cross Tab (%) |
| χ2 |
| **Step 4: Draw Conclusion (Slide 23)** |
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| **Bar chart of frequency of beers consumed in a month (BEER\_FEQMO) for individuals who have beer dependence (S2BQ1B1)** |
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| **Post-hoc analysis results** |
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| **Post-hoc analysis conclusion (Slide 28)** |
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