**Answer to Research Question**

1. Describe the data you are going to use as evidence for the answering the research question. What is the task you will perform on this data (regression, classification, visualization, coding)?

CDAT (Celiac Dietary Adherence Test), CDAT consists of

seven structured questions about compliance and is scored on a

Likert scale from 1 to 5, so that summing the values obtained gives

an overall score from 7 to 35. Values less than 13 are considered to

show good compliance, while those over 17, represent intermediate

or low adherence

PAM (Patient Activation Measure) The Patient Activation

Measure is a valid, highly reliable, unidimensional, probabilistic

Guttman-like scale that reflects a developmental model of activation.

It consists of 13-items and scores range from 0 to 100; higher

scores indicate greater patient activation. Activation appears to

involve four stages: (1) believing the patient role is important, (2)

having the confidence and knowledge necessary to take action, (3)

actually taking action to maintain and improve one’s health, and

(4) staying the course even under stress. The measure has good psychometric

properties indicating that it can be used at the individual

patient level to tailor intervention and assess changes

Log data from the 2 apps on 3 variables (symptoms . energy level , food intake) – statistical analysis

Peer Feedback:

2. Write down your research question and answer it in a really stupid way. Be sure that the answer is actually answering the research question.

What effect does gamification have on GFD compliance in adolescents with celiac disease?

GFD (Gluten Free Diet) compliance is higher in patients with the gamified app.

Peer Feedback:

3. How are you going to assess the reliability of your data? Write down aspects of your research which risk undermining the validity and soundness of your research.

Standardized questionnairres CDAT and PAM measure both compliance and the amount in which the patient feels in charge of the diet

Peer Feedback: