# Codebook: MOOC Academic Motivation Study

- This codebook is for data collected as part of the MOOC Academic Motivation Study. The study aims to measure the academic motivation of a student in a MOOC setting (i.e.: online course). It uses a questionnaire to do so.

- The questionnaire items consisted of statements to which respondents could indicate to what extent they agreed with the statement (ranging from 'fully disagree' to 'fully agree')

- The questionnaire attempted to measure the following aspects of academic motivation:

  o **Achievement motivation - ability-oriented**: motivation stemming from a pleasure to feel intellectually capable. This aspect focused on the positive emotion associated with feeling smart and successful, but also has a competitive component. (example item: "*Participating in this course allows me to show my intellectual abilities.*" or "*It gives me a kick when I get higher grades than most of my peers.*")

  o **Intrinsic motivation - interest**: motivation stemming from a genuine interest in the subject matter, the topics treated in the course This aspect focuses on interest in the material, the concepts and content (example item: "*I find the course material interesting.*")

- Each item in the questionnaire measured the aspects mentioned above through statements that were either *indicative* (example: 'I love the course topics' for *intrinsic motivation*) or *contraindicative* (example: 'I hate the course topics' for *intrinsic motivation)* of the aspect.

- Each record in the dataset collected contains the following fields:

  V1. **RecNo** : The record number; positive integer with range 1-N, where N is the number of records in the dataset
  V2. **Age:** Student's age in years
      *NOTE:* Although the age is expected to be a positive integer starting from 13 and above, the raw data may contain invalid values such as a negative number, zero or a very low/high numbers on account of errors. Missing values will contain NA.
  V3. **Gender**: Student's gender; a positive integer with the following values (and mapping)
      1 – Female
      2 – Male
  V4. **AchMot.Ability.CI**: Measure of the student's ability-oriented achievement-motivation (contraindicative); a positive integer with the following values (and mapping)
      1 – Fully Disagree
      2 – Disagree
      3 – Neutral
      4 – Agree

5 – Fully Agree

9 – No Answer/Missing Value

V5. **IntMot.Interest.I**: Measure of the student's intrinsic-motivation stemming from interest (indicative); a positive integer with the following values (and mapping)

1 – Fully Disagree

2 – Disagree

3 – Neutral

4 – Agree

5 – Fully Agree

9 – No Answer/Missing Value

V6. **AchMot.Ability.I**: Measure of the student's ability-oriented achievement-motivation (indicative); a positive integer with the following values (and mapping)

1 – Fully Disagree

2 – Disagree

3 – Neutral

4 – Agree

5 – Fully Agree

9 – No Answer/Missing Value

V7. **IntMot.Interest.CI**: Measure of the student's intrinsic-motivation stemming from interest (contraindicative); a positive integer with the following values (and mapping)

1 – Fully Disagree

2 – Disagree

3 – Neutral

4 – Agree

5 – Fully Agree

9 – No Answer/Missing Value