1. Social network, amount, content, connection pattern
   1. Content -> type(send or response) and amount
   2. Social analysis in terms of quantity and quality\*
2. Disposition pattern
   1. Type of social (ask or )
3. Access data
   1. Attendance of class
   2. Enter or exit the library
   3. Moodle
      1. Learning progression data (visual)
   4. Tutorial
      1. Group features

What type of result we need:

1. Students in need, risk student, group, influence
2. Tendency with time
3. Engagement analysis
4. Alarm, triggers of risk student

Analysis summary:

1. For a whole class that a teacher teach (class level info)
   1. Grade
   2. Attendance rate
   3. Online presence
      1. Learning progression data (visual) -> average progress
      2. Forum (average post total post per student, feedback, quality of discussion)
   4. Compare to last year and other course (visual)
   5. Prediction of performance and cause(course problem or not and how to improve)
2. Student specific info and analysis
   1. Assessment (curriculum grade, normalized by the average grade, show the position of the student)
   2. Attendance
   3. Online presence
      1. Social network
      2. Learning progression
      3. Forum
   4. Past, predict (pattern recognition -> grade predict -- risk, outstanding)
3. risk student

* Data type : behavioral and direct result