# Information Visualization

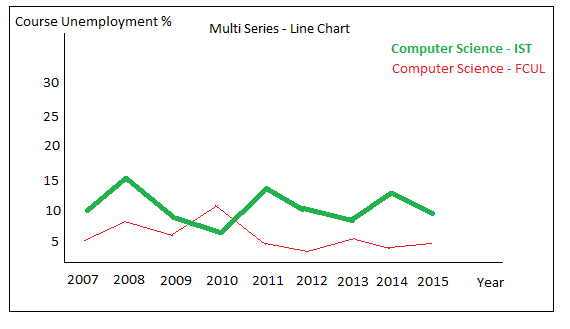
# CHECKPOINT III: Visualization Sketch

G08-A

**1. Visual Encoding**

Description of the visual encoding you have selected for each data type.

* Course Unemployment % – Encoded as **position** in vertical axis
* Year – Encoded as **position** in horizontal axis
* Course/University Name – Encoded as **colours “hue”**
* Entry Grade – Encoded as **position** in horizontal axis

**2. Idiom and Tasks/Questions**

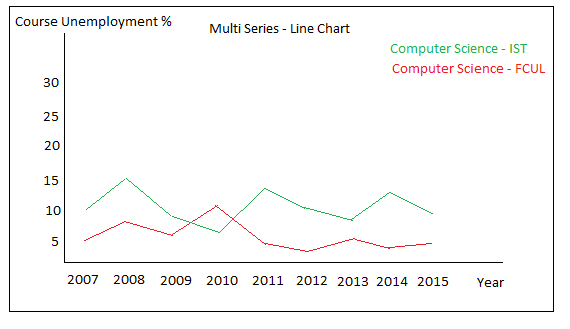
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Image – (Left) Line chart comparing two courses and (right) line chart comparing the same courses with a course selected (due to interaction) that will affect the …. (TODO)

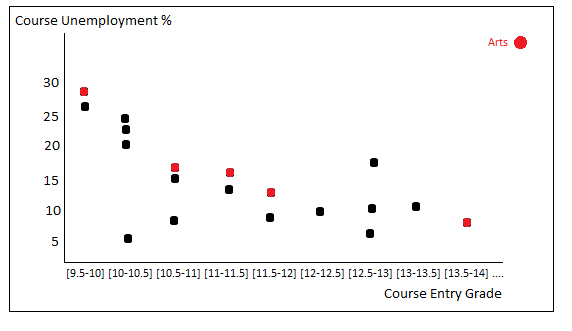
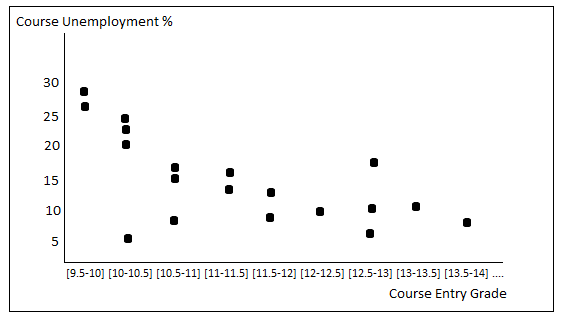
- **Task 1**: Query->Compare - Compare the unemployment (%) of different courses (regardless of course conclusion year of the graduates)

- **Task 2**: Analyze->Consume->Present – Present the information about unemployment (%) from a specific course graduates across time

- **Question 1**: Does Computer Science graduates in IST have more unemployment, in 2015, than Computer Science in ISEL? And in 2007? **(Task 1)**

- **Question 2**: Is Computer Science in IST having less unemployed graduates in last years? **(Task 2)**

- **Question 3**: What was the year which had less unemployed people from Computer Science in IST? **(Task 2)**



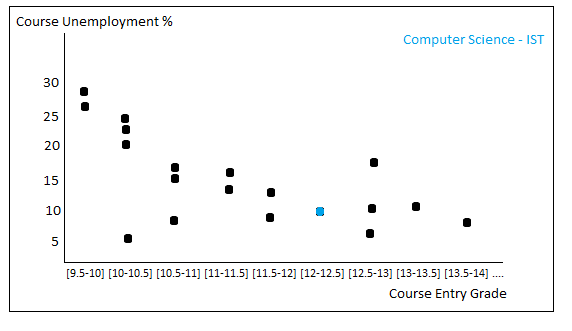


Image – (Top Right) Scatter plot highlighting the course from a specific area due to interaction in area’s idiom. (Bottom) Scatter plot highlighting a specific course (due to interaction) selected in course’s line chart.

**New Opportunity**: Catch outlier’s courses to see if there is a specific course in an area with higher unemployment that has a very low unemployment. This is easy because the course’s area unemployment view will be “connected” with this one.

- **Task 4**: Consume->Present – Relation between minimum entry grade and unemployment (%)

- **Question 4**: Where the unemployment will be higher? In a course with 14 minimum entry grade or one with 17? (Task 4)