Grade Predictor Tool

By Student Data Mining Group

PeopleSoft ID   `5555555`

Current Term (PeopleSoft term convention i.e. 2201)   `2211`

`Database Prediction ▼`

`Database Prediction`
`Machine Learning Prediction`

Number of semesters to look into the future (default 0)   `2 ⬍`

Number of semesters leeway (default 0)   `1 ⬍`

Grade leeway by percent (default 0)   `20 ⬍`
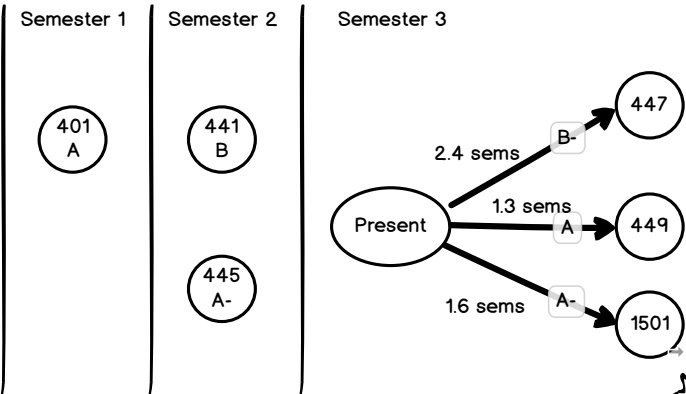
`All students ▼`   `All CS courses. ▼`
`Only students that completed all mandatory CS courses`   `Only mandatory CS courses.`

`Submit`   `Clear`

> The left side shows the student's history. The grid shows how long ago the course was taken.

Student's History   Average grade of matching students

Semester 1	Semester 2	Semester 3
401 A	441 B	Present
	445 A-	

2.4 sems B- → 447

1.3 sems A → 449

1.6 sems A- → 1501

> The right side shows the prediction. The Database Prediction finds students with similar histories to the student, and looks at all of the courses those students took starting from next semester up until the future semesters number entered above.
>
> It shows the average number of semesters until students take the course, and their average grade.

> In the tool, you will be able to click on any future course to see detailed information related to that course. For now, click on "1501" to move to the next page.

Grade Predictor Tool
By Student Data Mining Group

PeopleSoft ID

`5555555`

Current Term (PeopleSoft term convention i.e. 2201)

`2211`

`Database Prediction ▼`
Database Prediction
Machine Learning Prediction

Number of semesters to look into the future (default 0)

`2 ⬍`

Number of semesters leeway (default 0)

`1 ⬍`

Grade leeway by percent (default 0)

`20 ⬍`

All students ▼
Only students that completed all mandatory CS courses

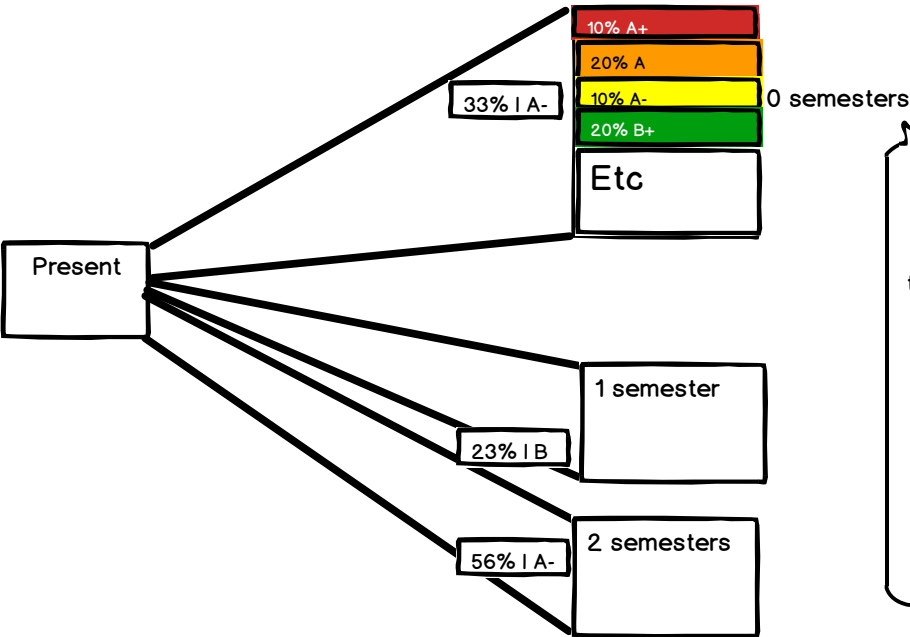| All CS courses. ▼ |
|---|
| Only mandatory CS courses. |

`Submit` `Clear`

1501 Results

When you click on a particular course, a Sankey Diagram will appear.
It shows what percentage of students that match the target student took 1501 0 semesters from now, 1 semester, etc. along with the average grade for that time.

Within each semester, the percentage of students that took 1501 that many semesters in the future who got each grade are represented by strips of color.

Final layout TBD.