

Lesson 10 (Binning) The `grades_script2.py` file generates the table on the left. Execute the command:

```
%load "<path>/grades_script2.py"
```

to load the script into a cell in your Jupyter notebook. Use **Pandas** to construct the table on the right. Letter grades are based on the Rose-Hulman grading scale. The top 25% of all students are rated excellent, the bottom 25% are rated fair and the rest rated as average. Ranking is given within each course. Use `pd.cut` and `pd.qcut`.

	ID	name	course	ave
0	784	Abe	MA384	79
1	659	Das	CSSE490	82
2	729	Fox	CSSE490	88
3	292	Han	MA384	67
4	935	Ibu	CSSE490	70
5	863	Lee	MA384	94
6	807	May	MA384	70
7	459	Rao	CSSE490	74

	ID	name	course	ave	grade	performance	rank
0	784	Abe	MA384	79	C+	average	2.0
1	659	Das	CSSE490	82	B	average	2.0
2	729	Fox	CSSE490	88	B+	excellent	1.0
3	292	Han	MA384	67	D+	fair	4.0
4	935	Ibu	CSSE490	70	C	fair	4.0
5	863	Lee	MA384	94	A	excellent	1.0
6	807	May	MA384	70	C	fair	3.0
7	459	Rao	CSSE490	74	C	average	3.0