

pandas

Filter DF:

```
filterdf = df [df ['col'] == value ]
```

New Column from Old:

```
df['newcol'] = df['oldcol'] *Expressions  
>>> `df['partial year'] = df['year'] + (df['week']/ 52)`
```

If-then Column:

```
df.loc[df.AAA >= 5, "BBB"] = -1
```

OUT >>>

	AAA	BBB	CCC
0	4	10	100
1	5	-1	50
2	6	-1	-30
3	7	-1	-50

Sort By

```
df.sort_values(by=("Labs", "II"), ascending=False)
```

Out[99]:

Student	Course	Exams		Labs	
		I	II	I	II
Violet	Sci	78	81	81	81
	Math	77	79	81	80
	Comp	76	77	78	79
Quinn	Sci	75	78	78	78
	Math	74	76	78	77
	Comp	73	74	75	76
Ada	Sci	72	75	75	75
	Math	71	73	75	74
	Comp	70	71	72	73