

GEG 584 Python “Additional Resources” and Videos

[A Beginners Python Tutorial](#)

[Google’s Python Class](#)

[Python for Everybody](#)

[How to think like a computer scientist: Interactive version](#)

[Jupyter Notebook tutorial – The definitive guide](#)

[UC Berkley Python Learning Resources](#)

[A Gallery of Interesting Jupyter Notebooks](#)

[Python for Developers](#)

Assignment in GEG 584 – [Python Pandas videos](#)



Pandas Videos

Watch these [videos](https://www.youtube.com/playlist?list=PL5-da3qGB5lCCsgW1MxIZ0Hg8LL5U3u9y) (<https://www.youtube.com/playlist?list=PL5-da3qGB5lCCsgW1MxIZ0Hg8LL5U3u9y>) - Data Analysis in Python with Pandas.

Work along with them in Jupyter Notebook. There are 36 videos. You can skip the first video if you want. Please work through, at least, the first 30. Submit your Jupyter Notebook file here. Put a Markdown Cell between each of the video segments with a video number.

For example:

Data Analysis in Python with Pandas

Video Series

Video 2: Read tabular data file into pandas

```
In [1]: import pandas as pd
```

```
In [3]: orders=pd.read_table('http://bit.ly/chiporders') # assumes tab separated file, 1st row is header row
orders.head()
```

```
Out[3]:
```

	order_id	quantity	item_name	choice_description	item_price
0	1	1	Chips and Fresh Tomato Salsa	NaN	\$2.30
1	1	1	Iceze	[Clementine]	\$3.30
2	1	1	Nantucket Nectar	[Apple]	\$3.30
3	1	1	Chips and Tomatillo-Green Chili Salsa	NaN	\$2.30
4	2	2	Chicken Bowl	[Tomatillo-Red Chili Salsa (Hot), (Black Beans,	\$16.98

```
In [8]: user_cols=['user_id','age','gender','occupation','zipcode']
users=pd.read_table('http://bit.ly/movieusers', sep='|', header=None, names=user_cols)# do Google search on pandas read_table
users.tail()
```

```
Out[8]:
```

	user_id	age	gender	occupation	zipcode
938	930	26	F	student	33319
939	940	32	M	administrator	02215
940	941	20	M	student	97229
941	942	45	F	librarian	78209
942	943	22	M	student	77641

Video 3: Select pandas series from dataframe.