

```
!wget http://qiime.org/home_static/nih-cloud-apr2012/tree_metadata.txt
!filter_distance_matrix.py -i /home/ubuntu/data/distance_matrix_complete.txt -o /home/
ubuntu/data/distance_matrix_complete_v3_v4_only.txt -m tree_metadata.txt -s "
starting_v_region:v3,v4,full.length"
```

```
--2012-08-07 20:05:42-- http://qiime.org/home_static/nih-cloud-apr2012/tree_metadata.txt
Resolving qiime.org... 216.34.181.97
Connecting to qiime.org|216.34.181.97|:80... connected.
HTTP request sent, awaiting response...
200 OK
Length: 9313 (9.1K) [text/plain]
Saving to: 'tree_metadata.txt.1'

0% [          ] 0          --.-K/s
100%[=====>] 9,313      --.-K/s   in 0.02s

2012-08-07 20:05:42 (389 KB/s) - 'tree_metadata.txt.1' saved [9313/9313]
```

```
!principal_coordinates.py -i /home/ubuntu/data/distance_matrix_complete_v3_v4_only.txt -
o /home/ubuntu/data/pc_complete_v3_v4_only.txt
```

```
!make_3d_plots.py -i /home/ubuntu/data/pc_complete_v3_v4_only.txt -o /home/ubuntu/data/
pcoa_plots_complete_v3_v4_only/ -m tree_metadata.txt
```

And the notebook simply serves these files up in /files, so we can visit the visualization directly
NOTE: The above link is not static: to view the plot, you must run the notebook.