

Hierarchical Clustering

In [1]:

```

1 import numpy as np
2 import matplotlib.pyplot as plt
3 from scipy.cluster import hierarchy
4 np.random.seed(2)
5 X = np.random.standard_normal((100,2))
6 fig, (ax1,ax2,ax3) = plt.subplots(3,1, figsize=(15,18))
7 for linkage, cluster, ax in zip([hierarchy.complete(X), hierarchy.average(X),
8 ['c1','c2','c3'], [ax1,ax2,ax3]):
9     cluster = hierarchy.dendrogram(linkage, ax=ax, color_threshold=0)
10 ax1.set_title('Complete Linkage')
11 ax2.set_title('Average Linkage')
12 ax3.set_title('Single Linkage')

```

Out[1]: Text(0.5, 1.0, 'Single Linkage')



