**Milestone 3 - PCA**

2 Principal Components

**How much of our variance is explained?** - [0.318, 0.218] = .536

**Which features matter most?**

PCA 1 - ['0.631', '0.251', '0.000', '0.011', '0.635', '0.002', '0.324', '0.176']

PCA 2 - ['0.005', '0.067', '0.000', '0.169', '0.028', '0.763', '0.388', '0.483']

3 Principal Components

**Variance explained?** - [0.318, 0.218, 0.173] = .709

**Which features matter most?**

PCA 1 - ['0.631', '0.251', '0.000', '0.011', '0.635', '0.002', '0.324', '0.176']

PCA 2 - ['0.005', '0.067', '0.000', '0.169', '0.028', '0.763', '0.388', '0.483']

**PCA 3** - ['0.149', '0.202', '0.000', '0.514', '0.197', '0.029', '0.526', '0.597']

4 Principal Components

**Variance explained?** -[0.318, 0.218, 0.173, 0.135] = .844

**Which features matter most?**

PCA 1 - ['0.631', '0.251', '0.000', '0.011', '0.635', '0.002', '0.324', '0.176']

PCA 2 - ['0.005', '0.067', '0.000', '0.169', '0.028', '0.763', '0.388', '0.483']

PCA 3 - ['0.149', '0.202', '0.000', '0.514', '0.197', '0.029', '0.526', '0.597']

**PCA 4** - ['0.038', '0.698', '0.000', '0.648', '0.076', '0.108', '0.193', '0.191']

5 Principal Components

**Variance explained?** -[0.318, 0.218, 0.173, 0.135, 0.122] = .966

**Which features matter most?**

PCA 1 - ['0.631', '0.251', '0.000', '0.011', '0.635', '0.002', '0.324', '0.176']

PCA 2 - ['0.005', '0.067', '0.000', '0.169', '0.028', '0.763', '0.388', '0.483']

PCA 3 - ['0.149', '0.202', '0.000', '0.514', '0.197', '0.029', '0.526', '0.597']

PCA 4 - ['0.038', '0.698', '0.000', '0.648', '0.076', '0.108', '0.193', '0.191']

**PCA 5** - ['0.293', '0.633', '0.000', '0.529', '0.207', '0.139', '0.340', '0.235']