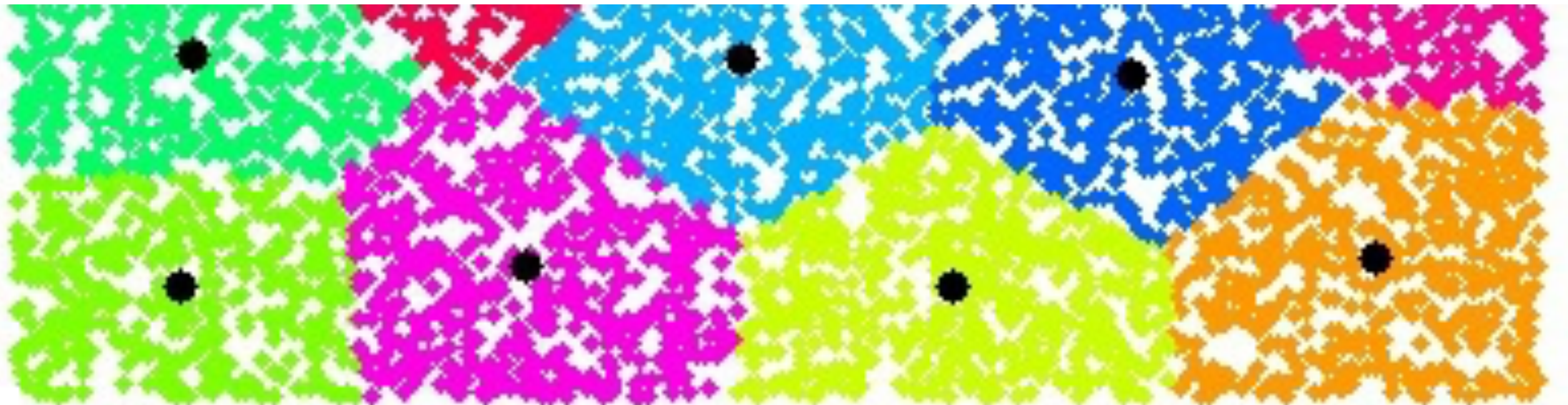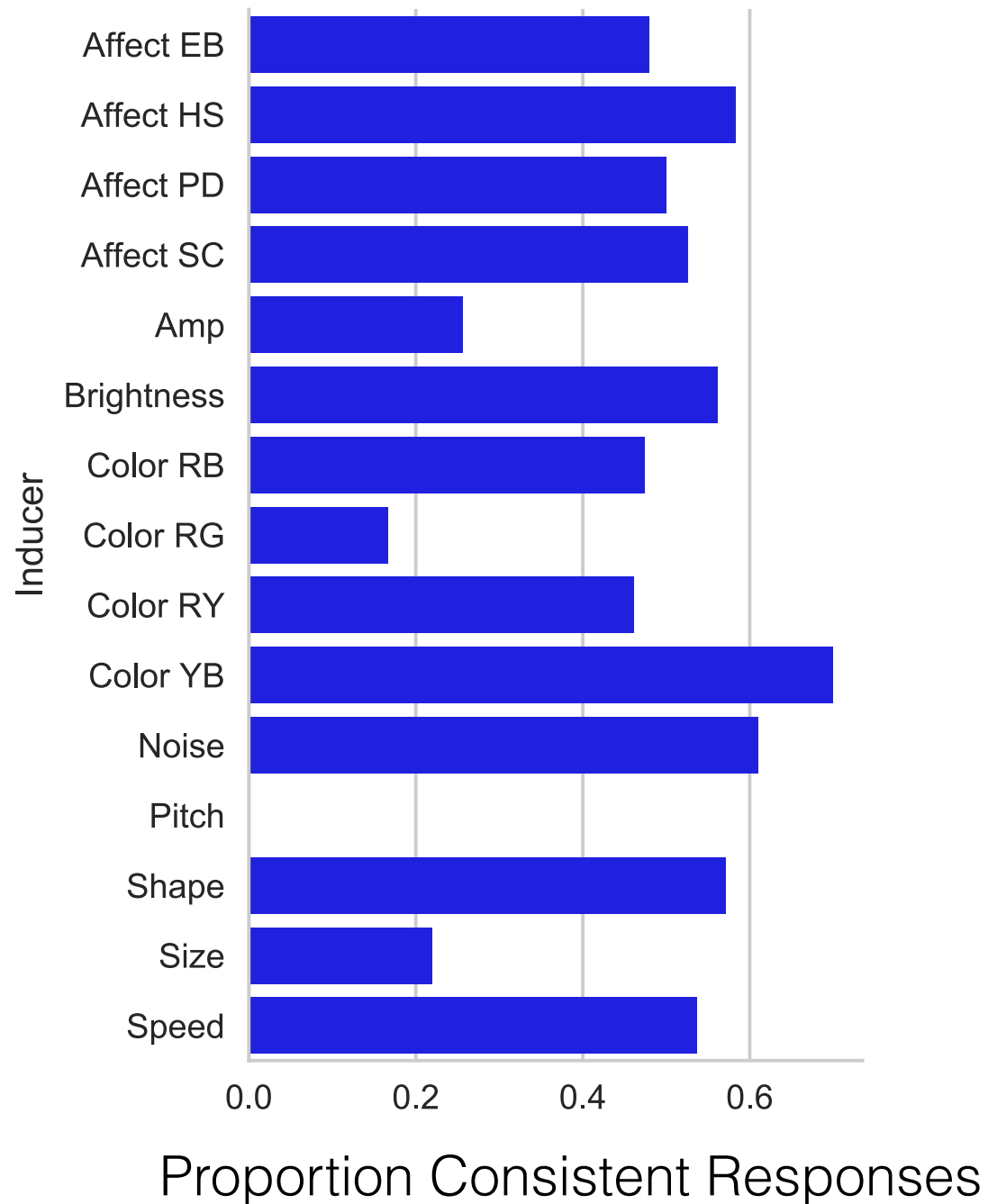# Clustering Domains
# with the K-Means Algorithm

# Clustering Domains with K-Means

- **Problem:** are there latent "groups" of domains that relate to Pitch in different ways?

# Clustering Domains with K-Means
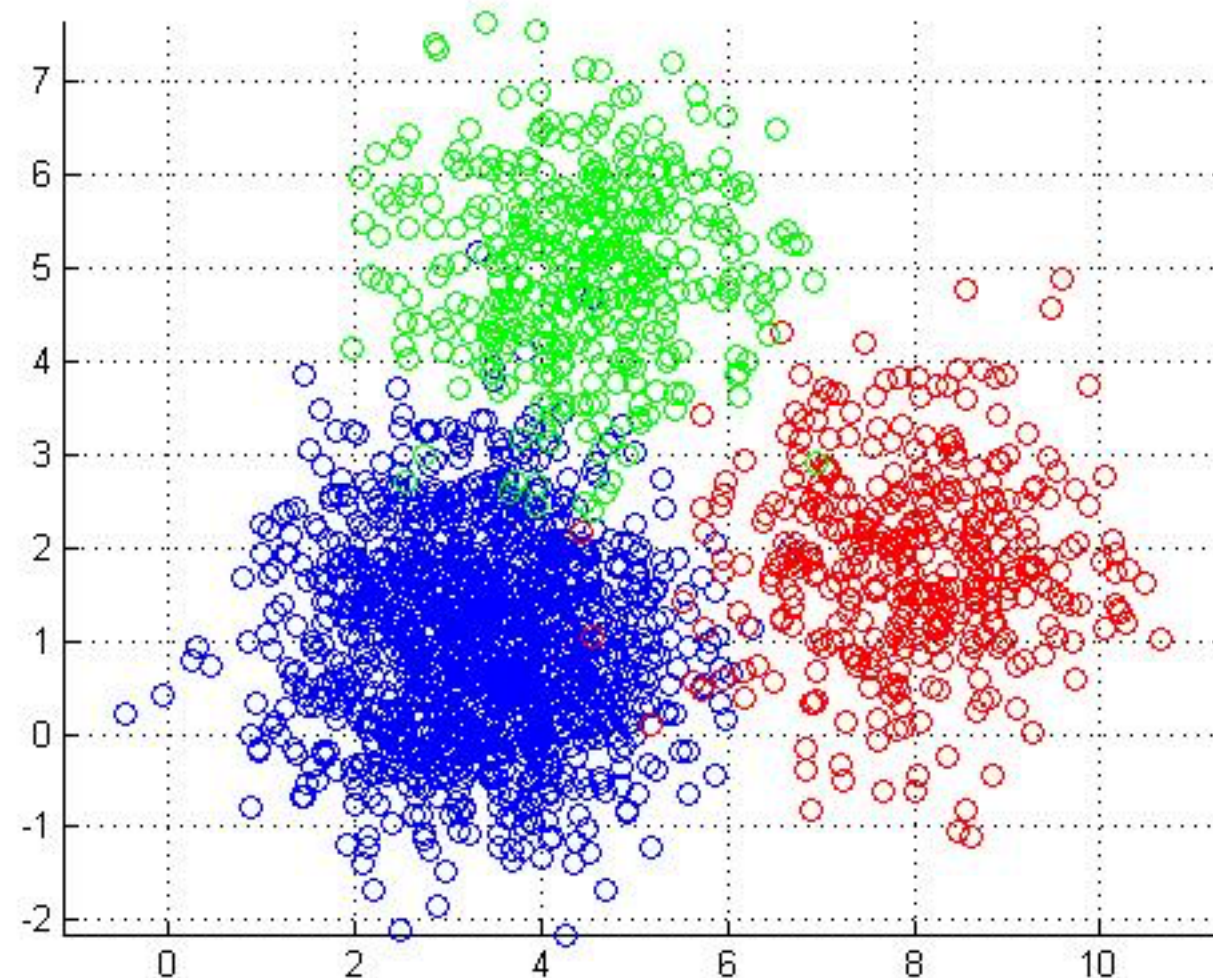
relationship with pitch:

# Clustering Domains with K-Means

- **Solution:** run a categorisation algorithm on our data to assign domains to groups

# Clustering Domains with K-Means

- **Categorisation Algorithm:**
  K-Means!

# Clustering Domains with K-Means

- **Categorisation Algorithm:** K-Means!

https://www.naftaliharris.com/blog/visualizing-k-means-clustering/

# Clustering Domains with K-Means

**Application to our data:**

1. For every Inducer, compute the mean "consistency" in responses with pit

2. Decide how many clusters / groups we wish to infer (k)

3. Apply K-Means algorithm to cluster these "means" into groups

# Clustering Domains with K-Means