1   Methods

1.1   Computing Feature Vectors

1.2   Feature Normalization

2   Visualizations

2.1   Successful and Unsuccessful Segmentations

2.2   Composite Images

Using the script titled `GrabCat.m`, we were able to produce composite images by transferring segments from one image to another background image. This allowed us to create the two composite images shown below.
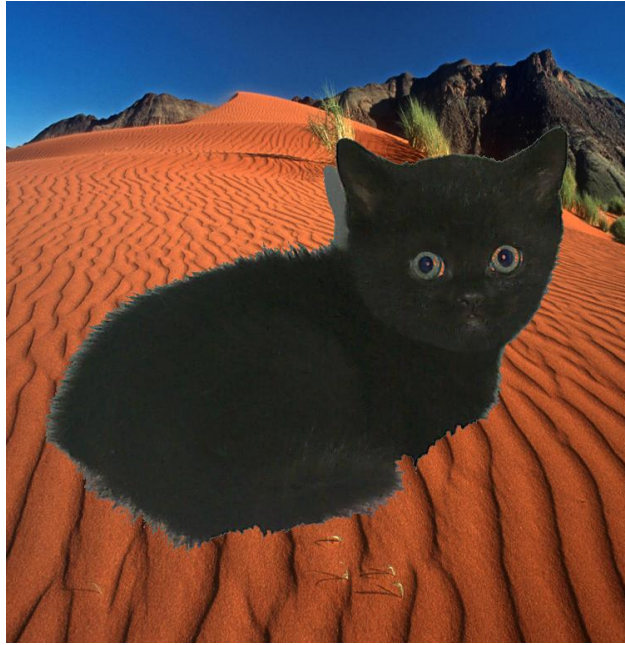
Figure 1: Input: `black_kitten_star.jpg, desert.jpg`, using k-means clustering with $k = 3$, position/color features, and feature normalization.

Figure 2: Input: `black_kitten.jpg, beach.jpg`, using HAC with $k = 5$, position/color features, feature normalization, and a resize factor of 0.2.

3   Evaluation