

Machine Learning II:
Assignments: In Class Hackathon—all you can finish!

1. Principal Component Disasters

Create labeled surrogate data sets. Perform a PCA/Class prediction with
ovr logistic regression analysis.

Go for 4 blobs: Create clearly separable 4-blobs in 3d but also a 'disaster'
realization with strong overlaps. Study, show and compare elbow plots
and prediction boundaries.