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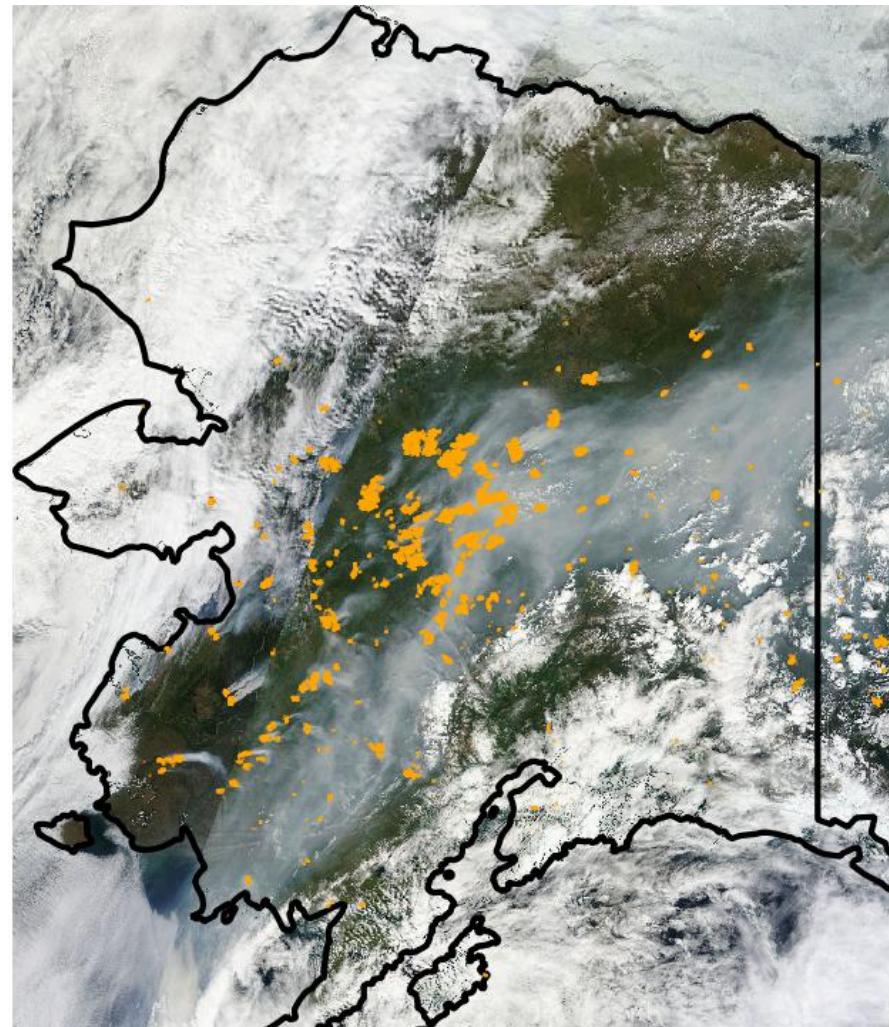
Statistical fire prediction in Alaska

Research questions

- How much variability in final fire size can be explained by information available at the time of ignition?
- How accurately can we forecast active fire counts?

Data – large-scale geospatial datasets for weather and land cover

Methods – machine learning (regression and classification)



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Wildfire research involves:

Large-scale geospatial data streams

- Remote sensing (MODIS, Landsat)
 - Meteorological reanalysis (GFS, ERA)

Data visualization

Machine learning and statistics

Scaling to globe

WIFIRE at SDSC →

