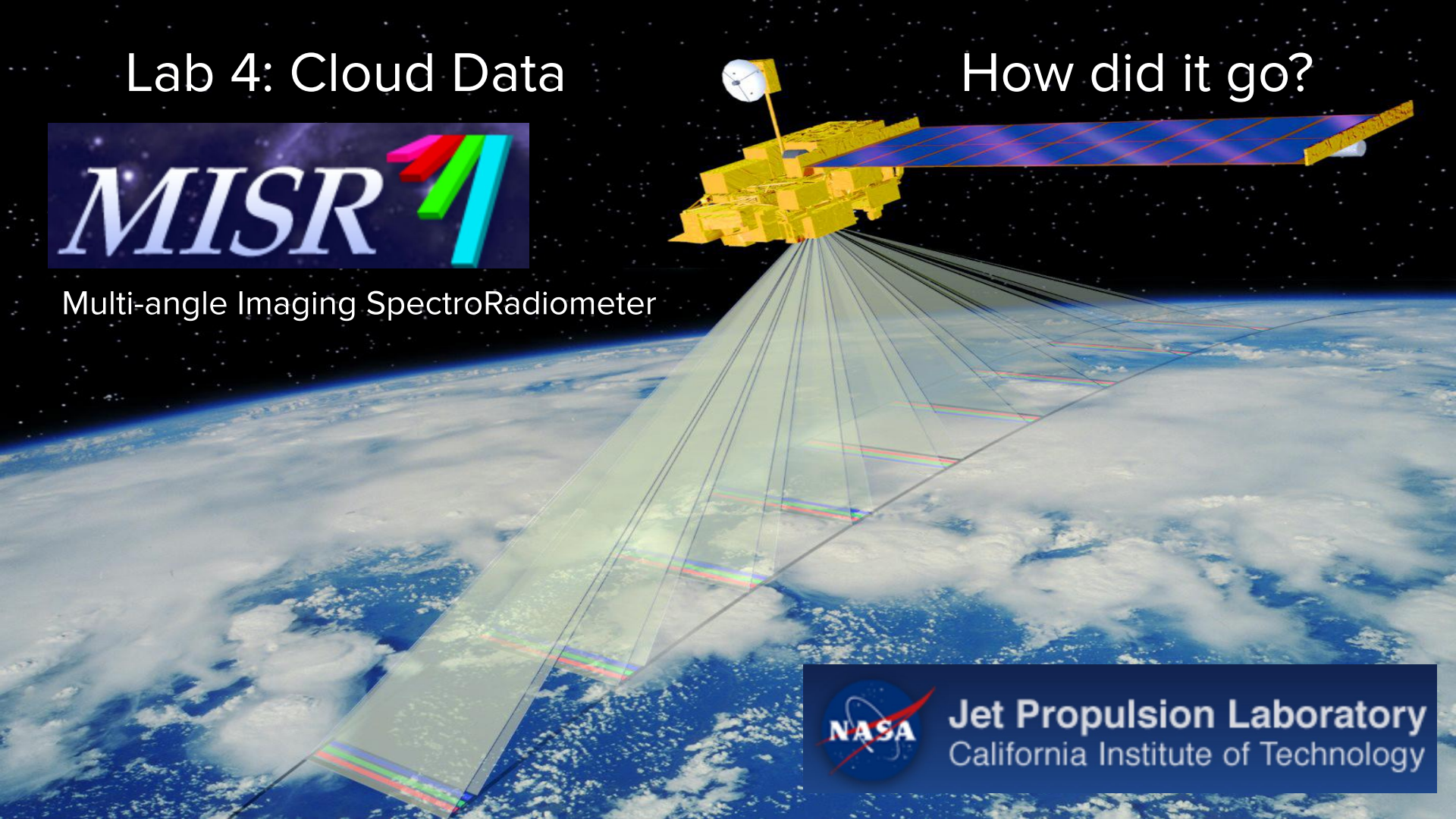
STAT 215A Fall 2020 Week 13

James Duncan, OH: M, Th 2-4pm

Lab 4: Cloud Data

How did it go?

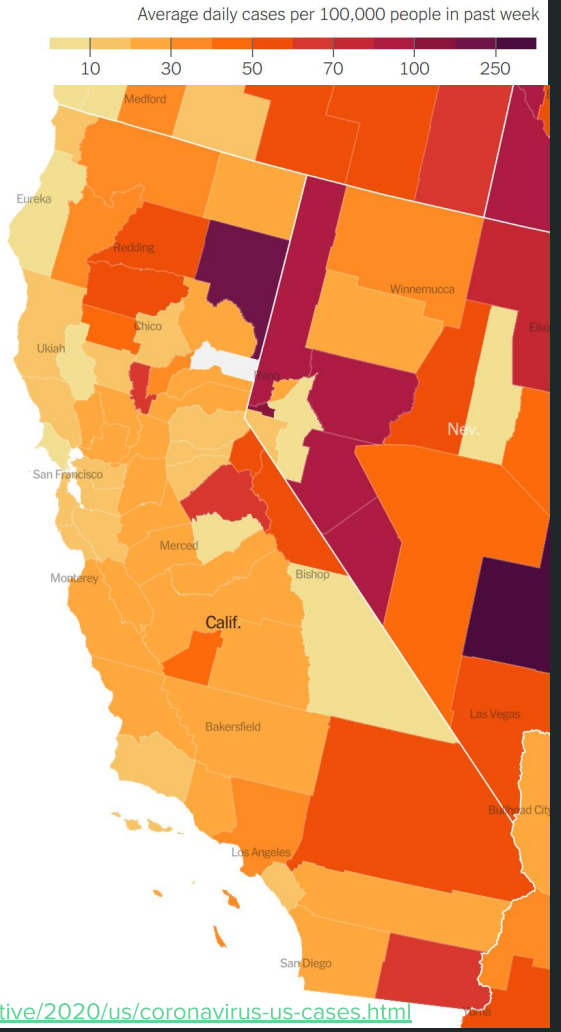


Multi-angle Imaging SpectroRadiometer

NASA Jet Propulsion Laboratory
California Institute of Technology

Final lab: California COVID-19 forecasting

Your Goal: Forecast case and death counts in diverse counties in both north and south of California to help inform the distribution of PPE.



Source: https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html

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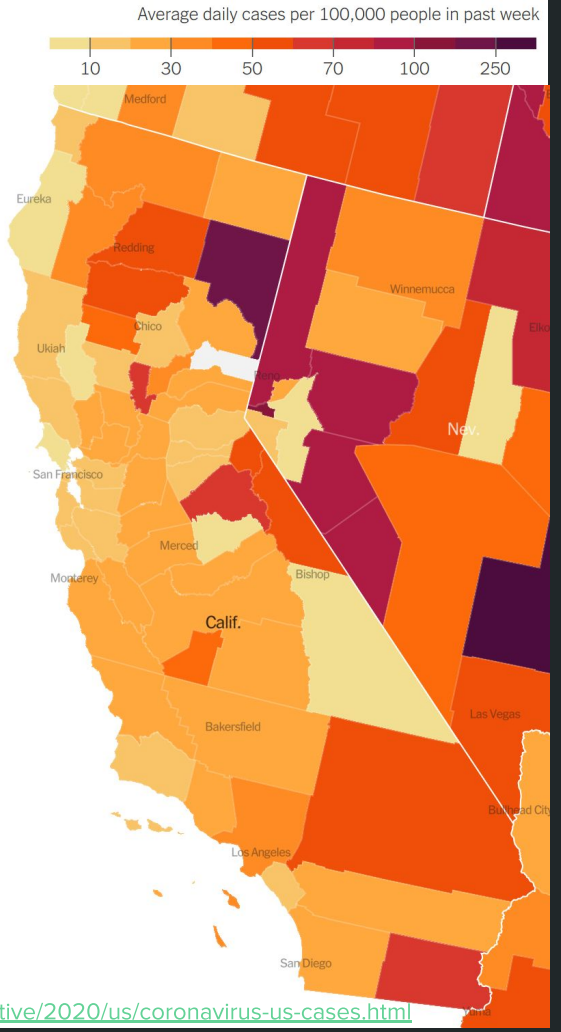
Two sets of counties to forecast:

- The Bay Area (9 counties)
- Choose one of:
    - Exurban counties around LA
    - Rural southern Central Valley counties



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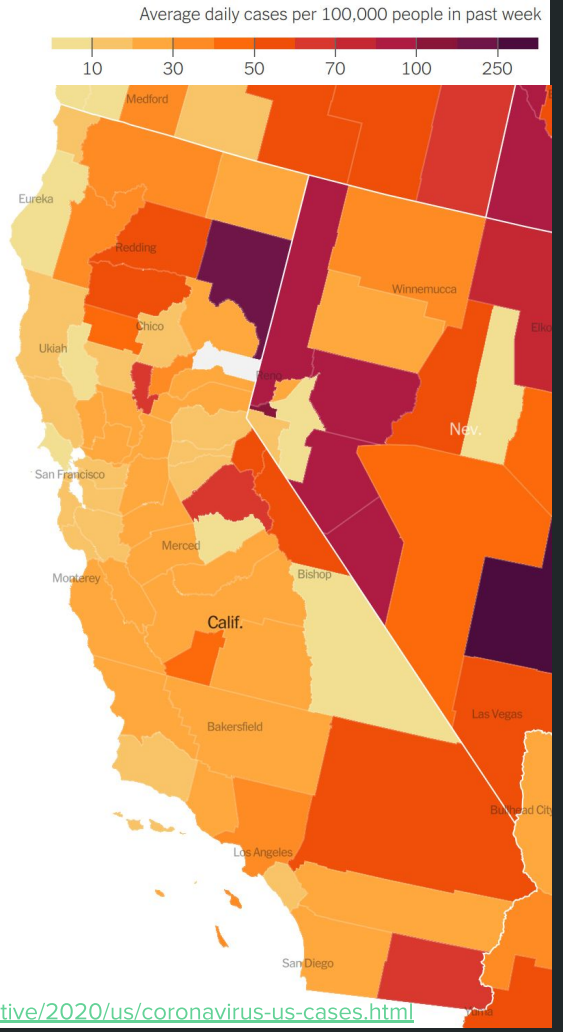
Your main tasks:

- Implement 2 methods from Altieri et al. 2020 as baseline.
- Come up with at least 2 methods of your own.
- Tune an ensemble predictor like CLEP.
- Produce prediction intervals.



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Breakout rooms to meet with your final lab teammates.