ArcGIS Pro

- Expensive
- Only runs on Windows
- Very powerful
- Point-and-click
- Documentation sucks

🐍 ArcPy

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GeoDa™

RStudio

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GeoDa™

R Studio®

- Reproducible
- Undergoing a big disruptive transition
- Lots of packages that don't talk well to each other
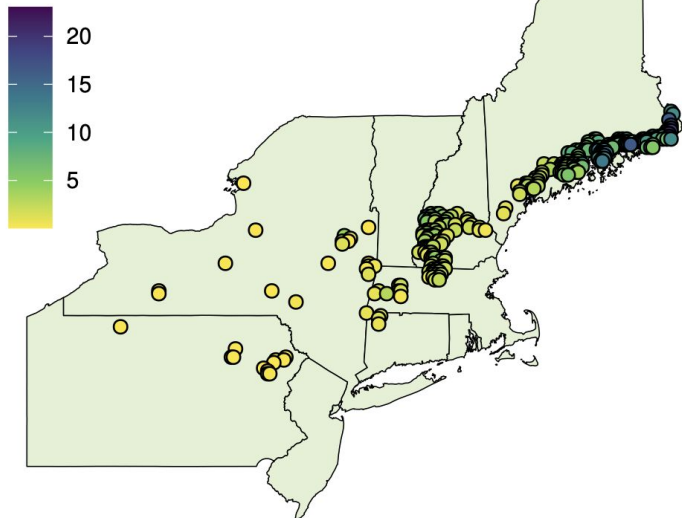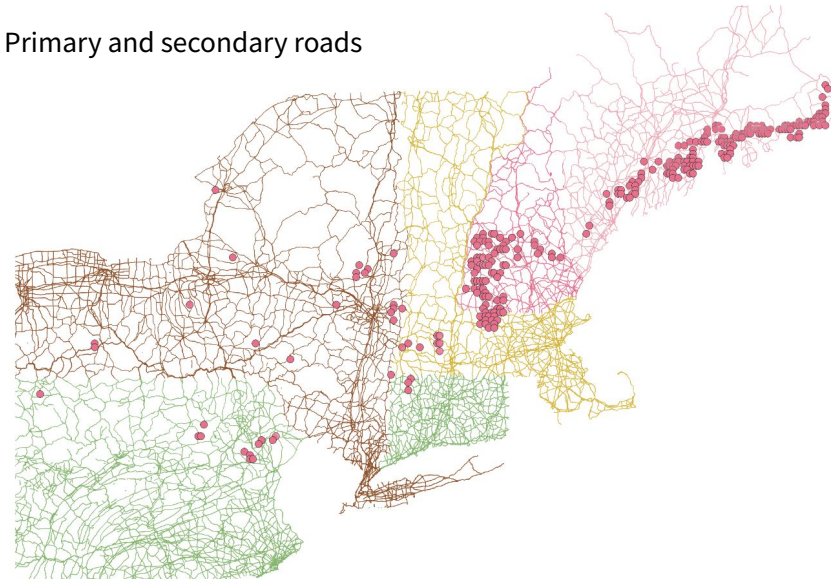
sf   Terra   tmap

Vector data

Polygons

Points

Lines

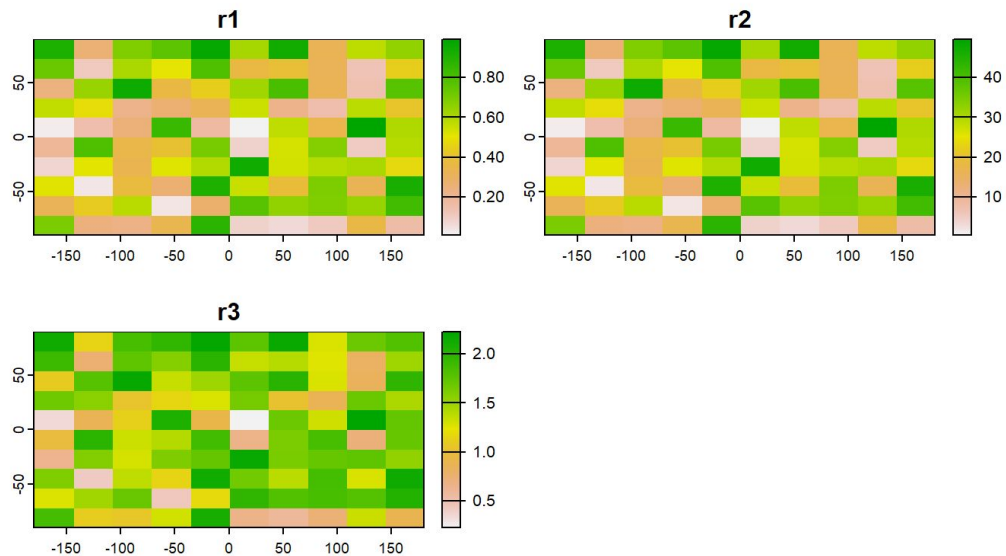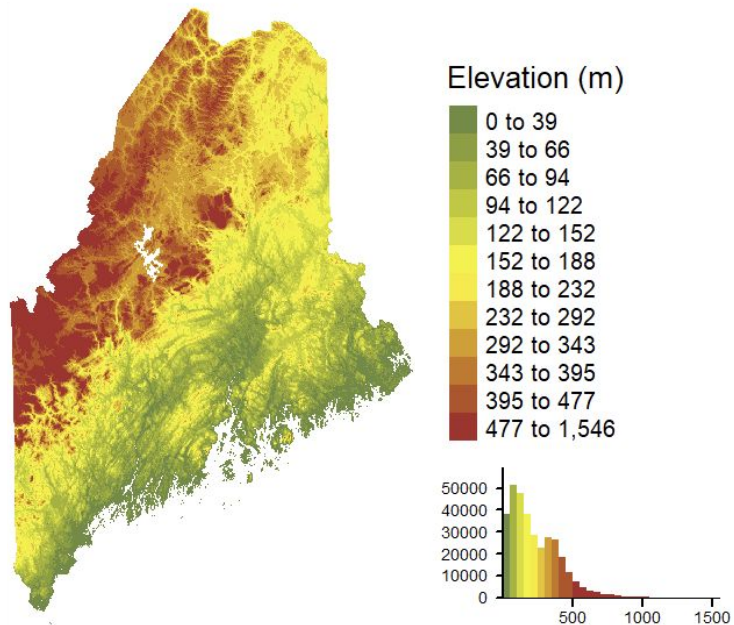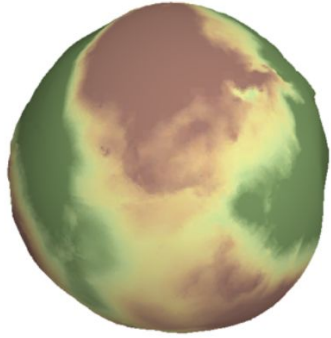

Spruce abundance

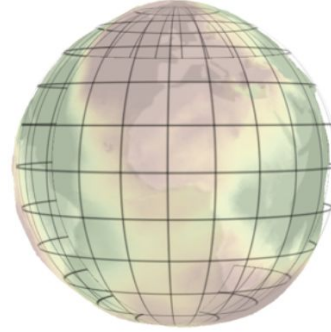Primary and secondary roads

Raster data
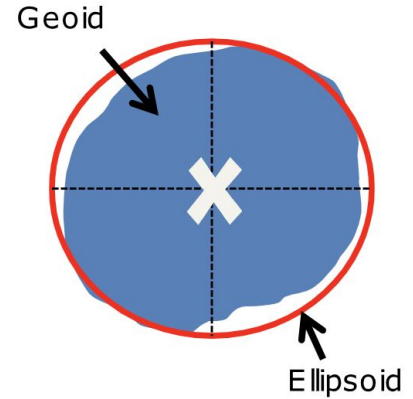
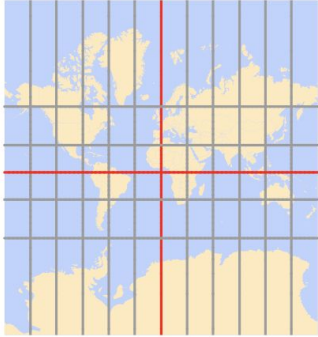# CRS and map projections
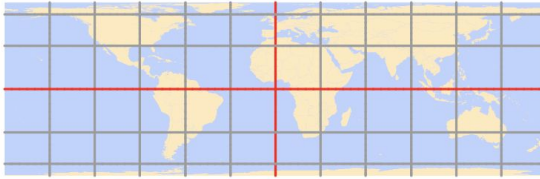

Geoid + Ellipsoid = Datum

CRS and map projections

Mercator

Cylindrical Equal Area

Albers Equal Area Conic