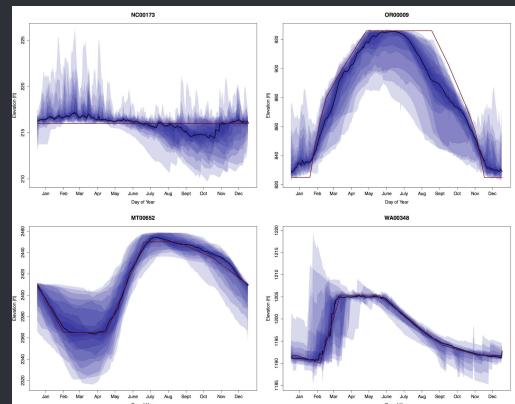# Reservoirs - Data

Lauren Patterson, Ph.D.
Alireza Vahid, Ph.D.
Hamza Ghadyali
Mary Tchamkina
David Clancy
Tianyi Mu

Reservoirs are diverse systems with differing patterns; supposed to follow a specific pattern, but systematic deviation still occurs.

How do weather, surroundings, and climate, affect each reservoir's behavior?
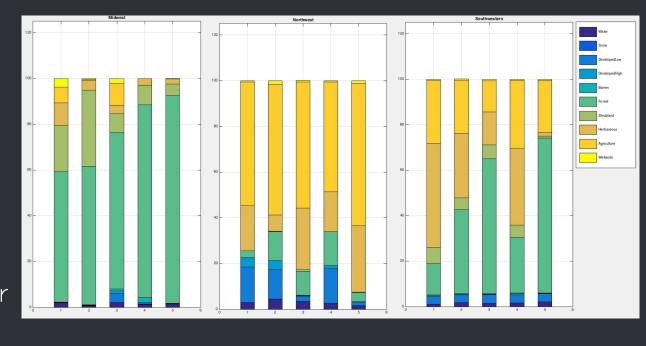
Reservoirs - Weather

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Mary Tchamkina
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Estimated the number of days it took for rain to reach the reservoir and investigated variables pertaining to the surroundings for associations.

Found that more forests and less development were associated with rain influencing reservoirs over longer periods of time.

Reservoirs - Climate

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Climate cycles (e.g. ENSO) are known to affect regional precipitation and temperature.

Due to confounding between cycles (because of a short time window), it is difficult to draw any substantial conclusions on how these affect reservoir performance.