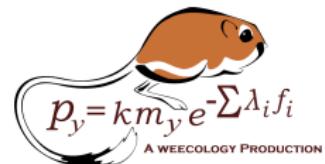


# A DATA-INTENSIVE ASSESSMENT OF THE SPECIES-ABUNDANCE DISTRIBUTION.

Elita Baldridge



# MACROECOLOGY

One approach to studying ecological patterns and processes.

- Data intensive.
- Large scales
  - Spatial
  - Temporal
  - Taxonomic
- Search for generality.
- Search for generality.

# MACROECOLOGY

## Criticisms of macroecology

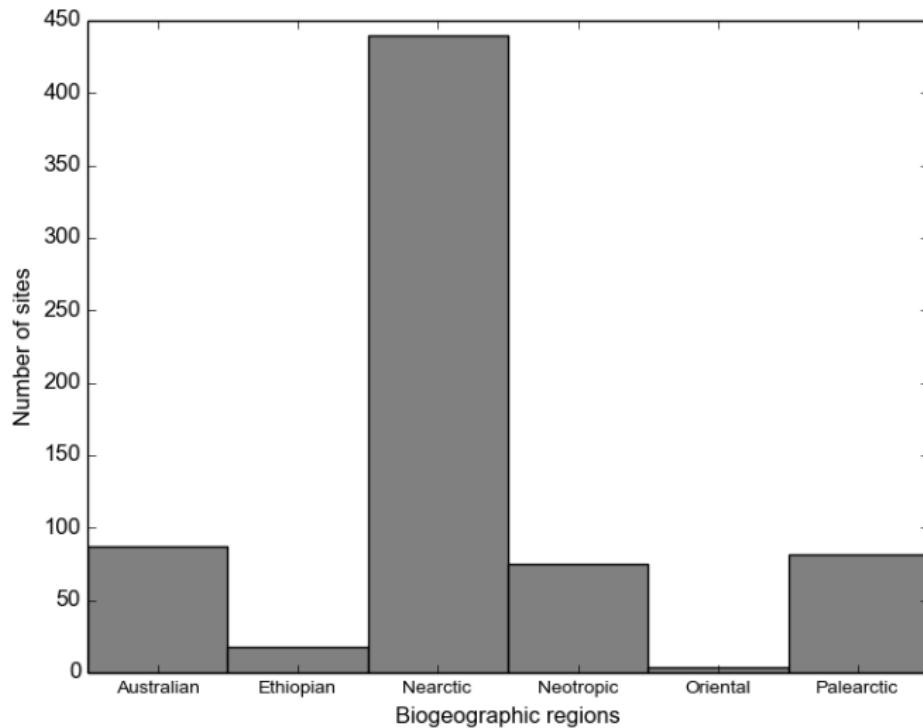
- North American terrestrial bias.
- Lack of identification of pattern generating mechanisms.

# DATA

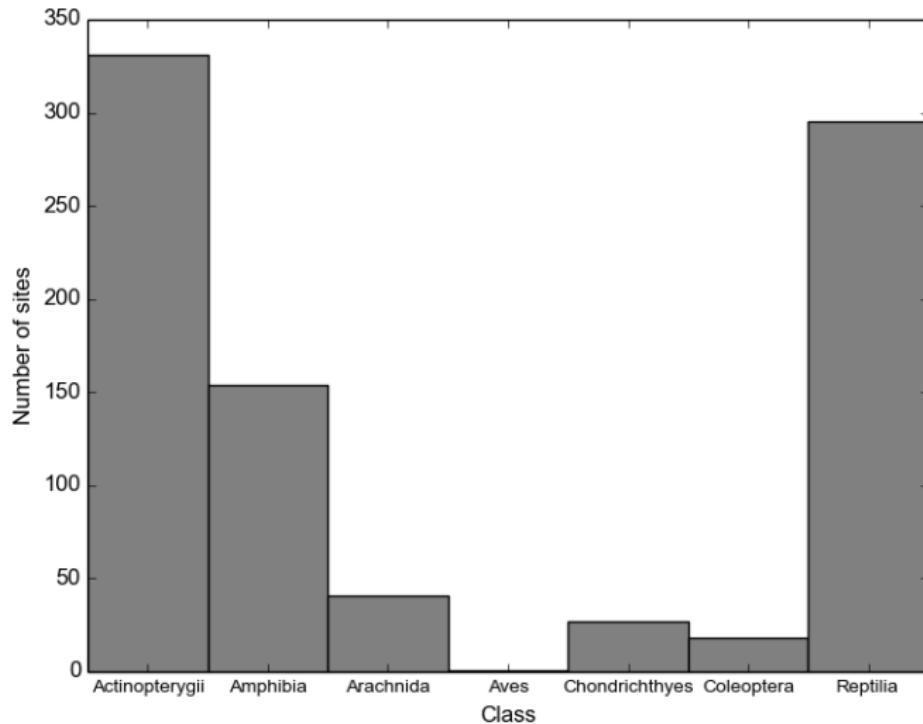
Variable name	Variable definitions
Class	Taxonomic class of species
Family	Taxonomic family of species
Genus	Taxonomic genus of species
Species	Specific epithet of species
Relative_abundance	Relative abundance of species
Abundance	Abundance of species
Collection_Year	Start of collecting
End_Collection	End of collecting
Site_Name	Name/description of site
Biogeographic_region	Biogeographic region
Site_notes	Additional site information

TABLE : List of variables collected.

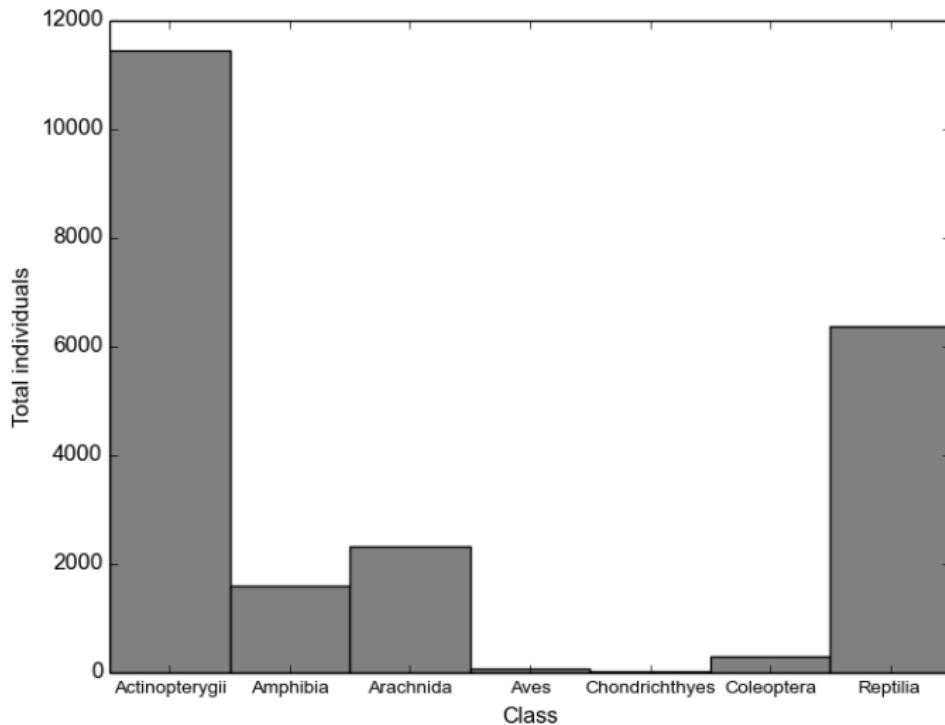
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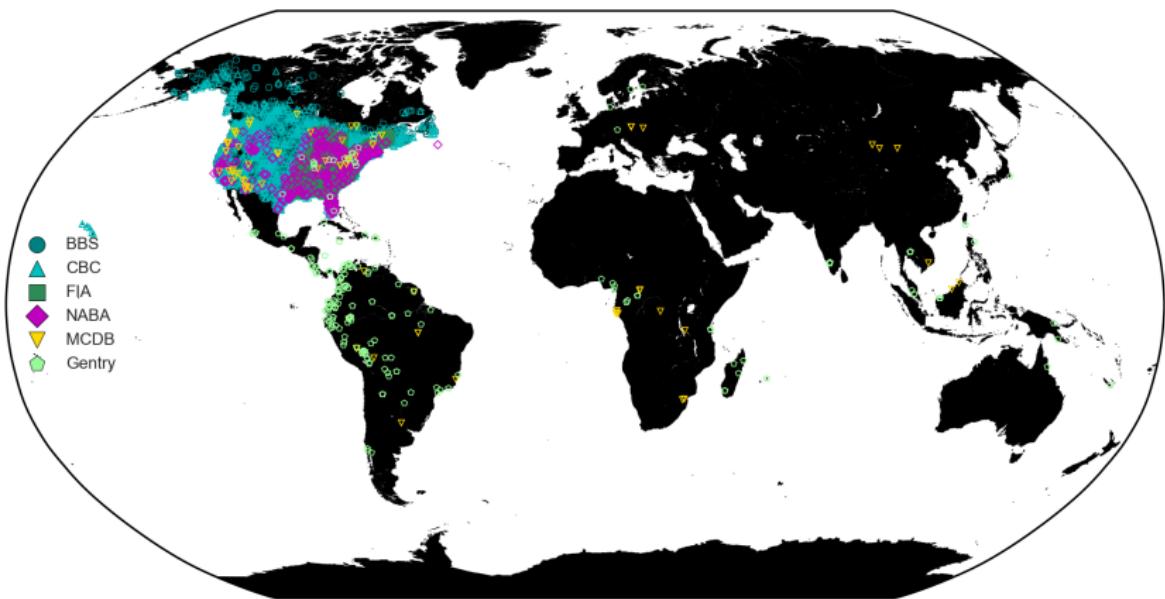
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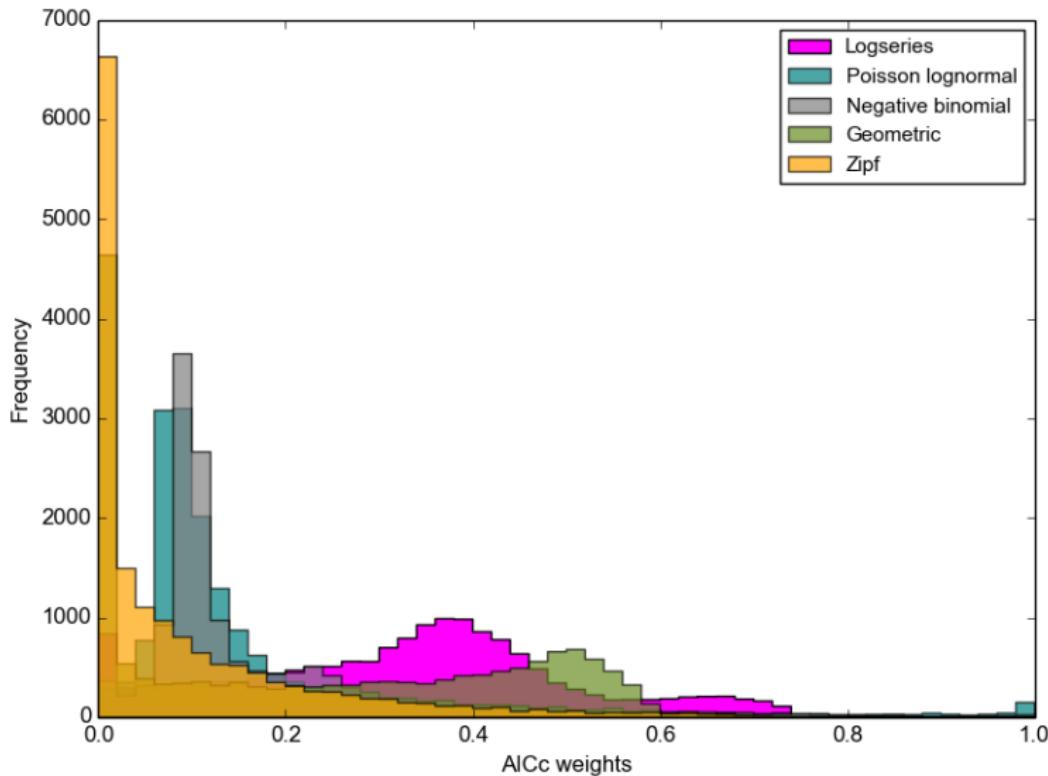
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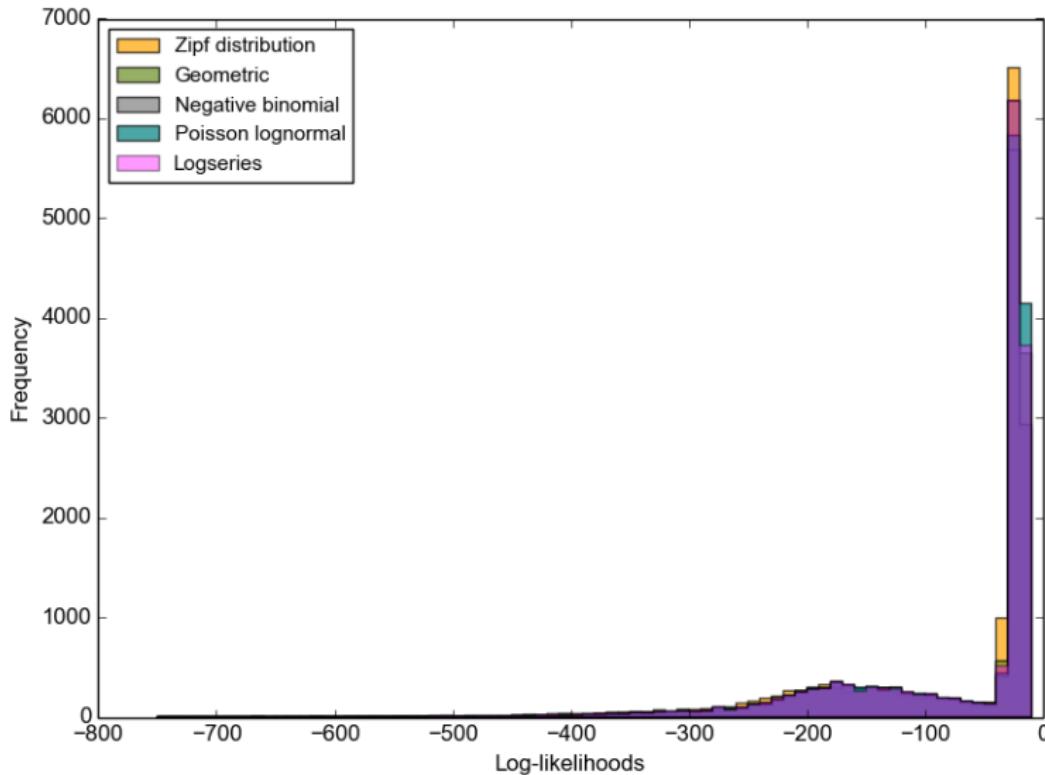
# DATA



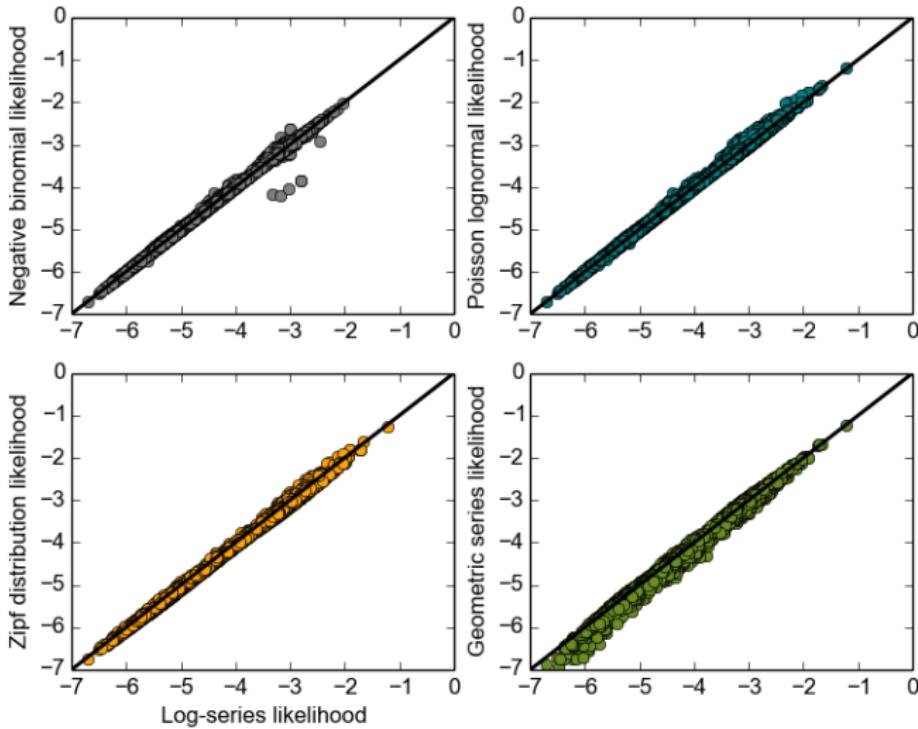
# SAD COMPARISONS



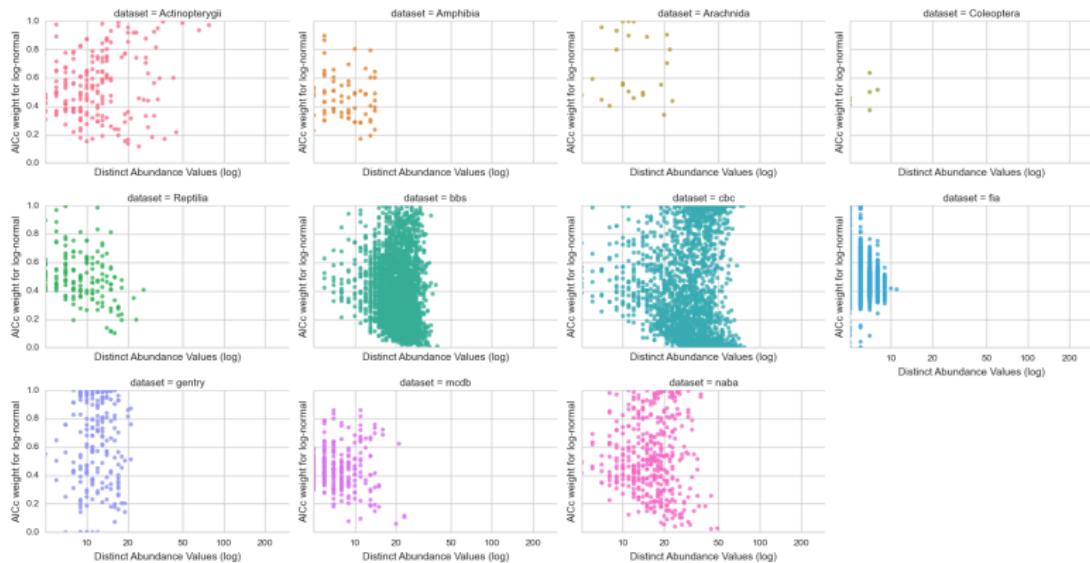
# SAD COMPARISONS



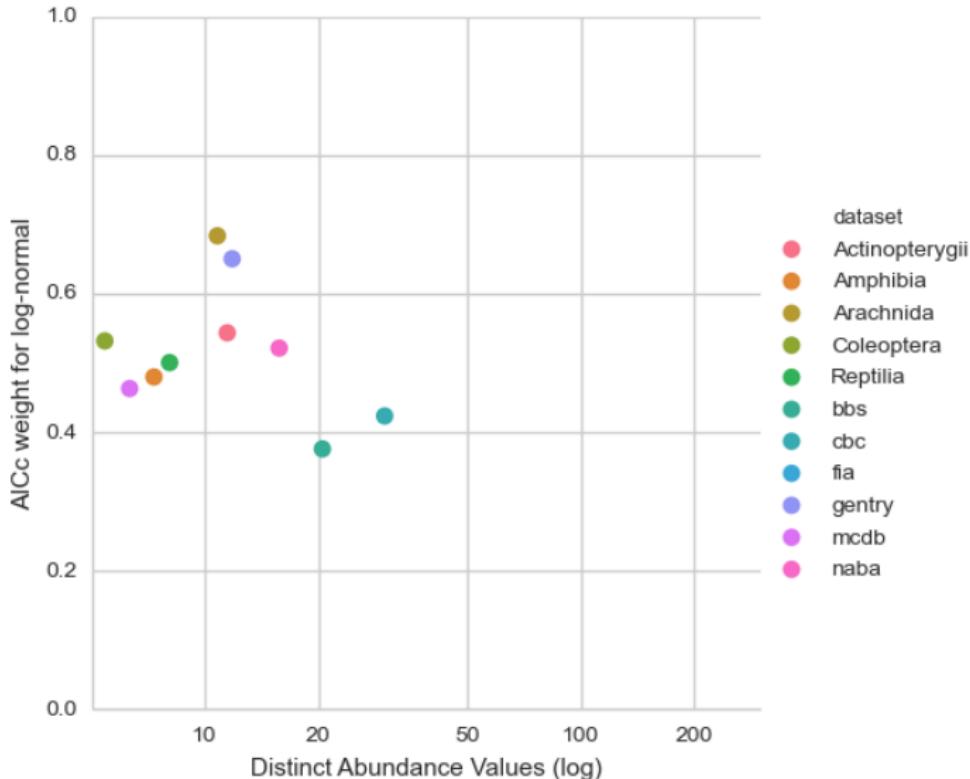
# SAD COMPARISONS



# NEUTRAL ANALYSIS



# NEUTRAL ANALYSIS



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