

## **Appendix S8: Supporting information for**

**Title:** A workflow to optimize spatial sampling in ecoacoustic studies

**Journal:** Landscape Ecology

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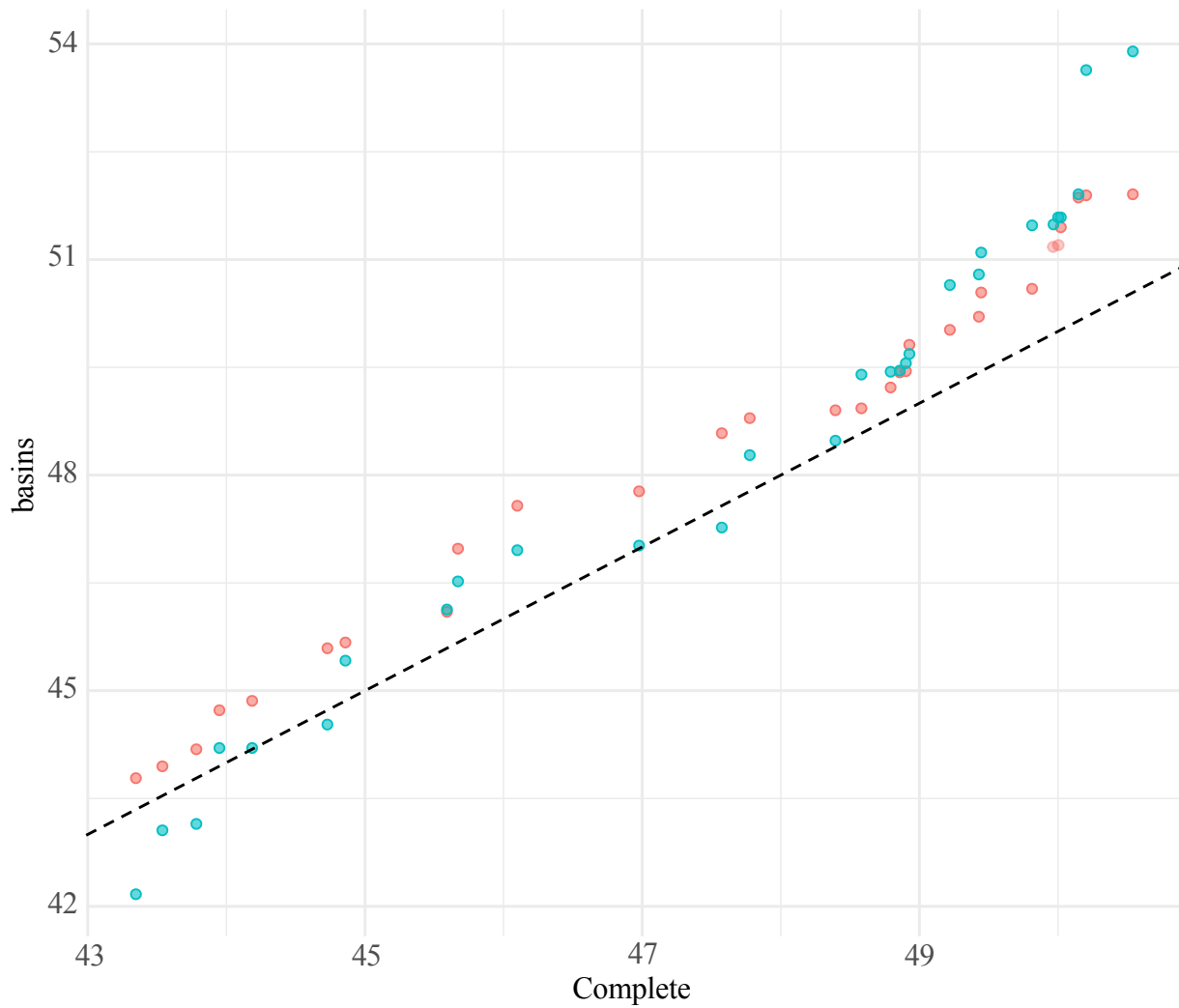
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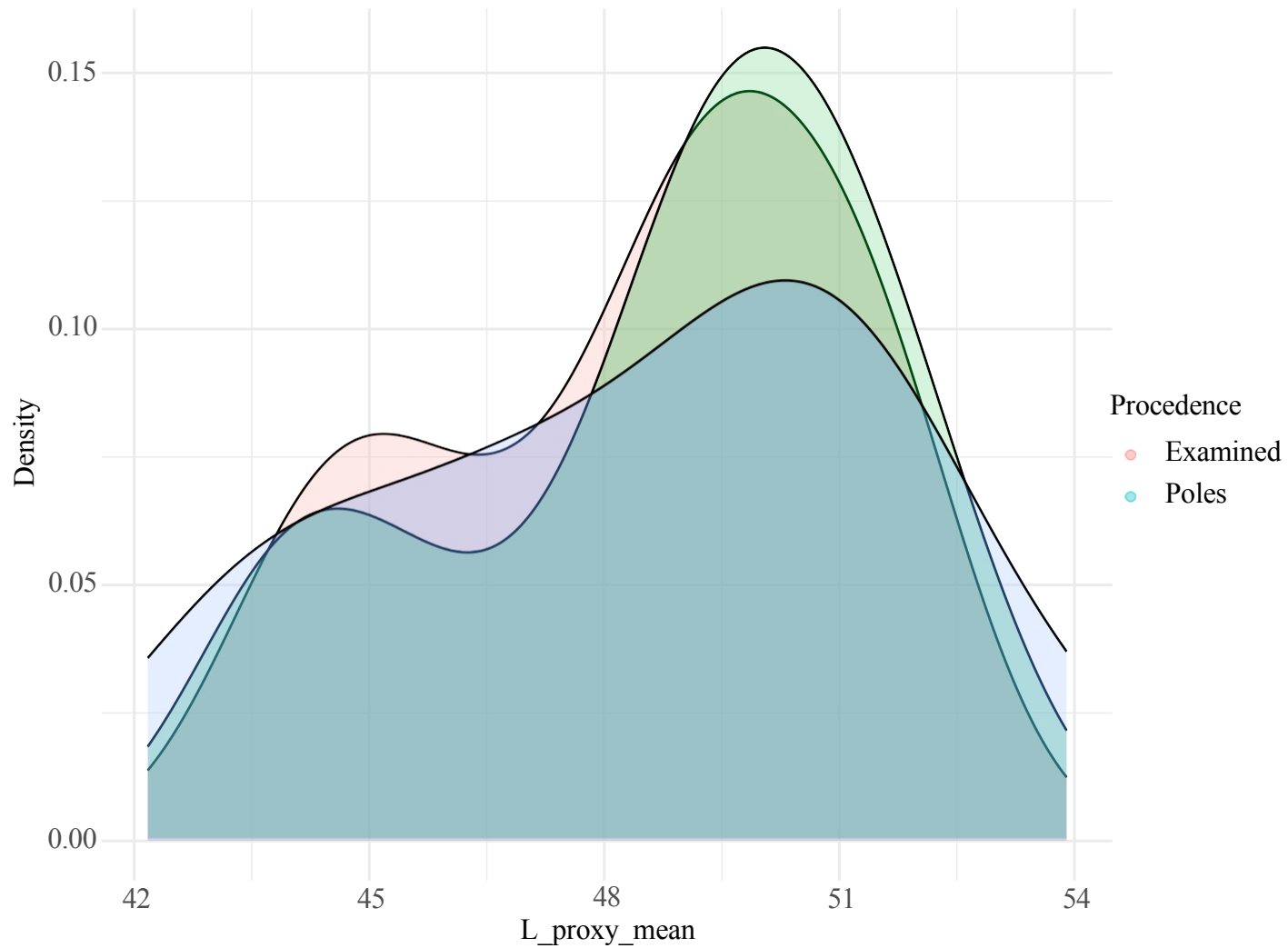
**SUPPLEMENTARY INFORMATION S8: Distributional comparison of landscape heterogeneity across stratified sub sampling strategies.**

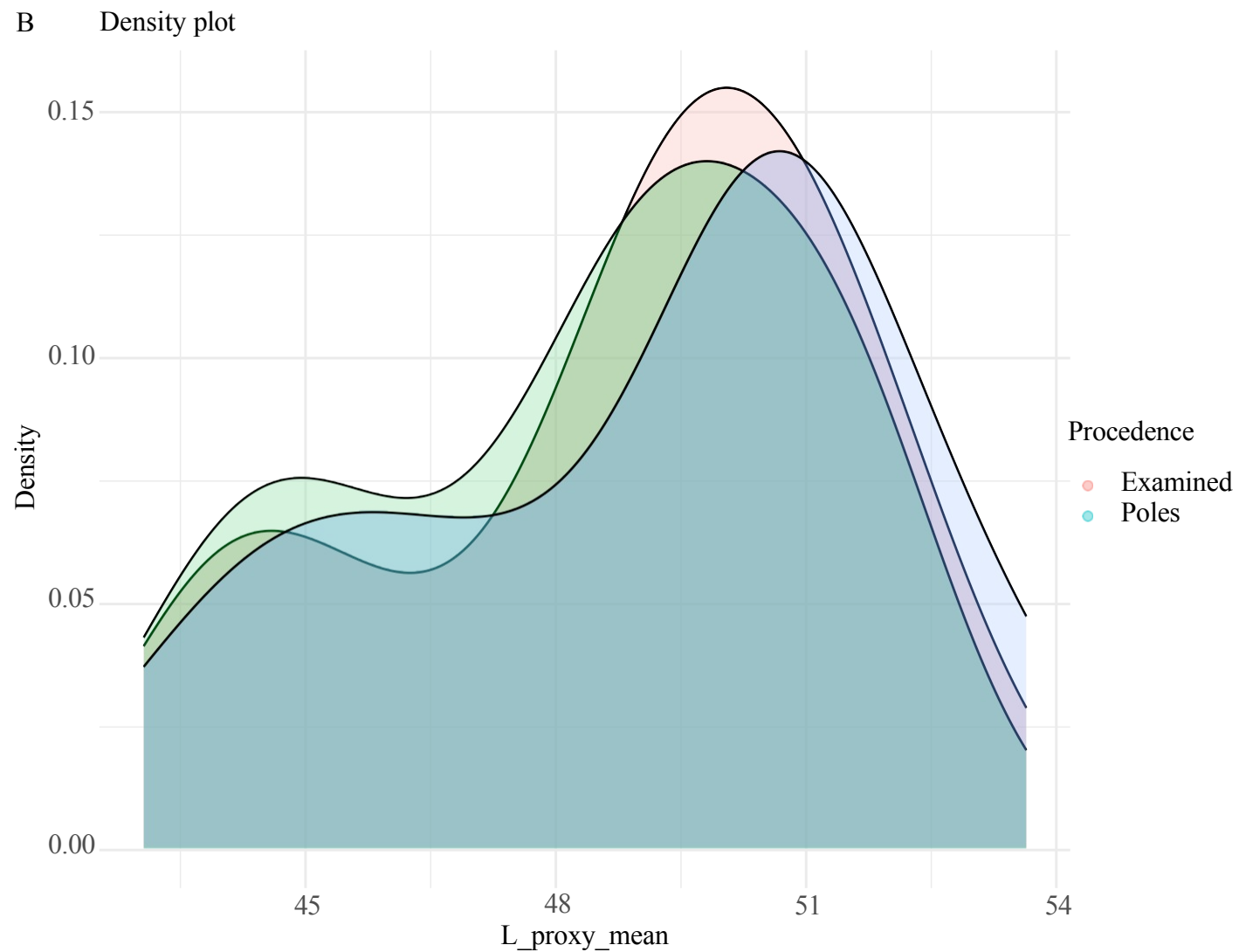
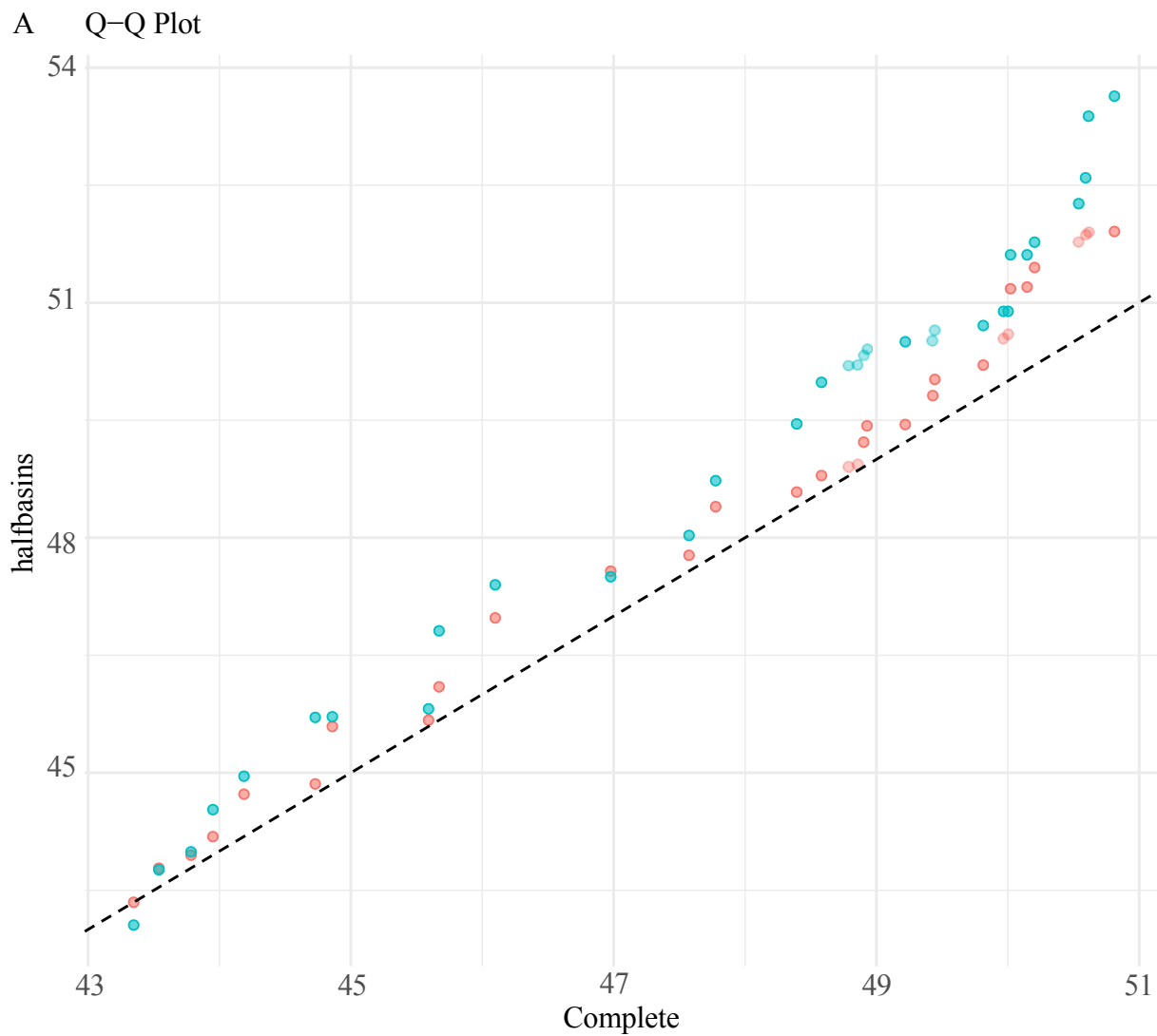
Kernel density estimates (Density plot B) and quantile-quantile plots (Q-Q plot A) illustrate how the mean landscape proxy values (L\_proxy\_mean) from each subsample compare with the full sampling grid across different strategies (Basins, Halfbasins, Landcover, SLIC) and localities (Andean Rural, Andean Urban, Plains). Sub samples were grouped by point selection origin: poles of inaccessibility or directly examined locations. Statistical differences in distributions were assessed using Kolmogorov-Smirnov tests and Wasserstein distances.

A Q-Q Plot

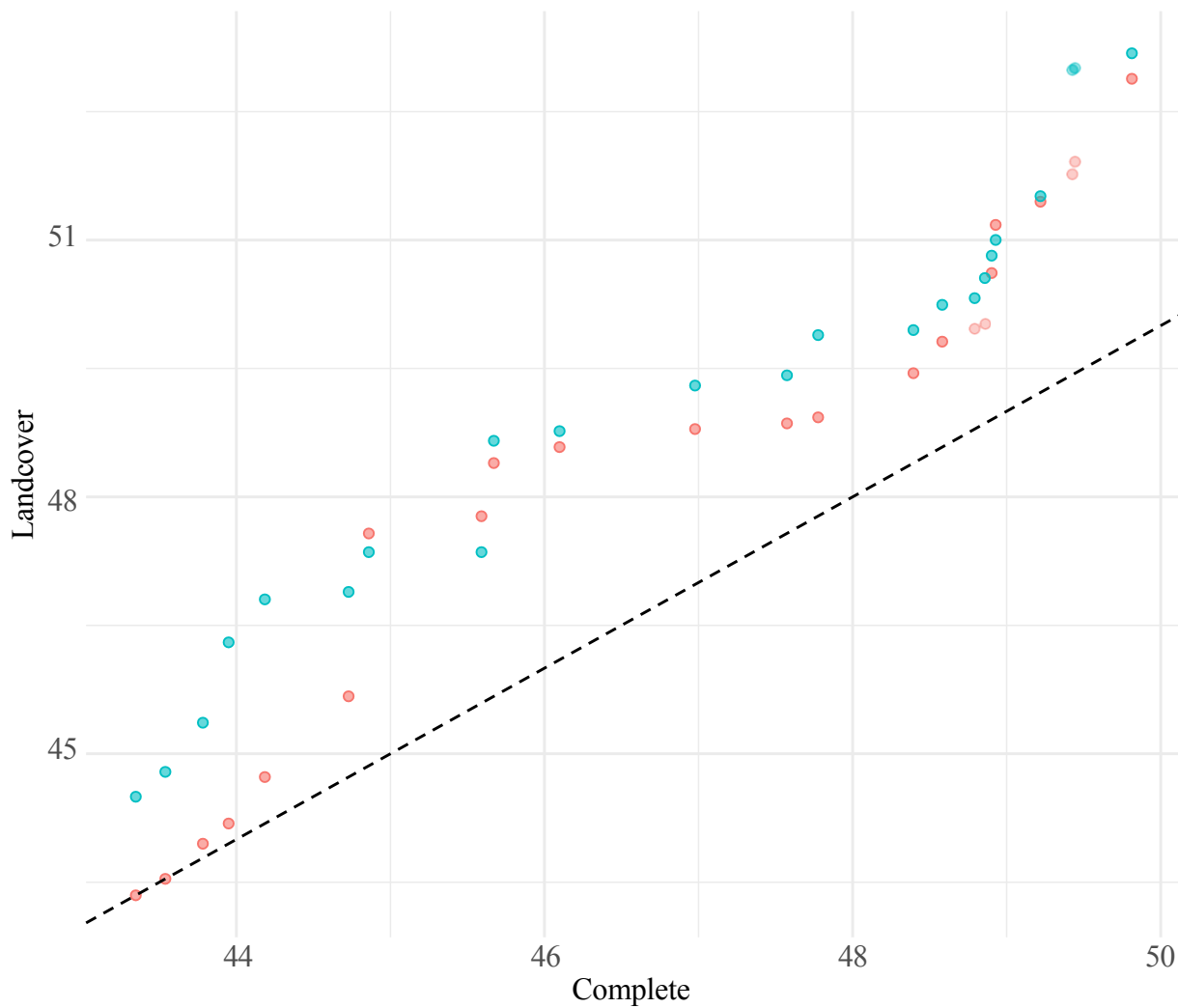


B Density plot

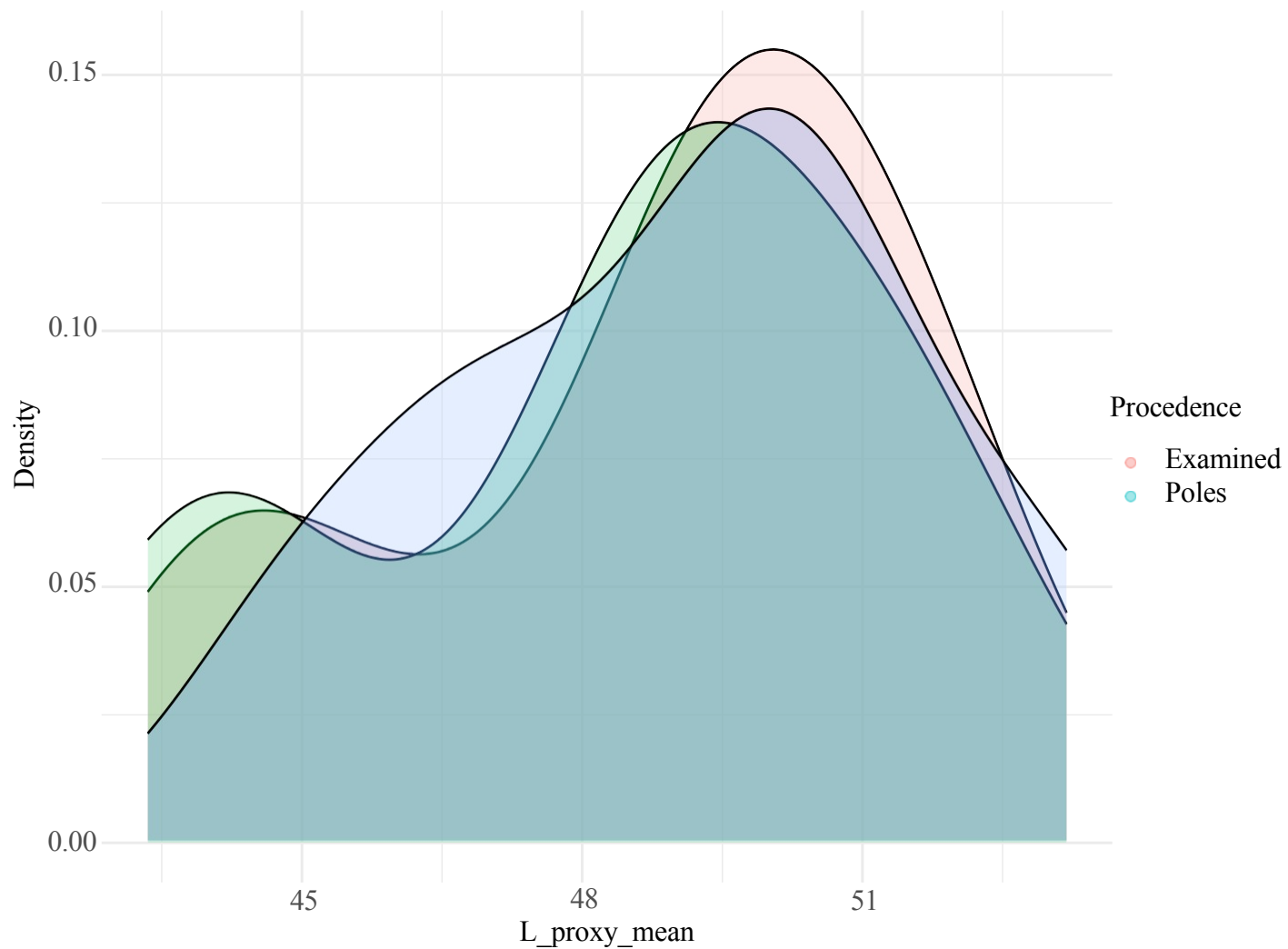




A Q-Q Plot

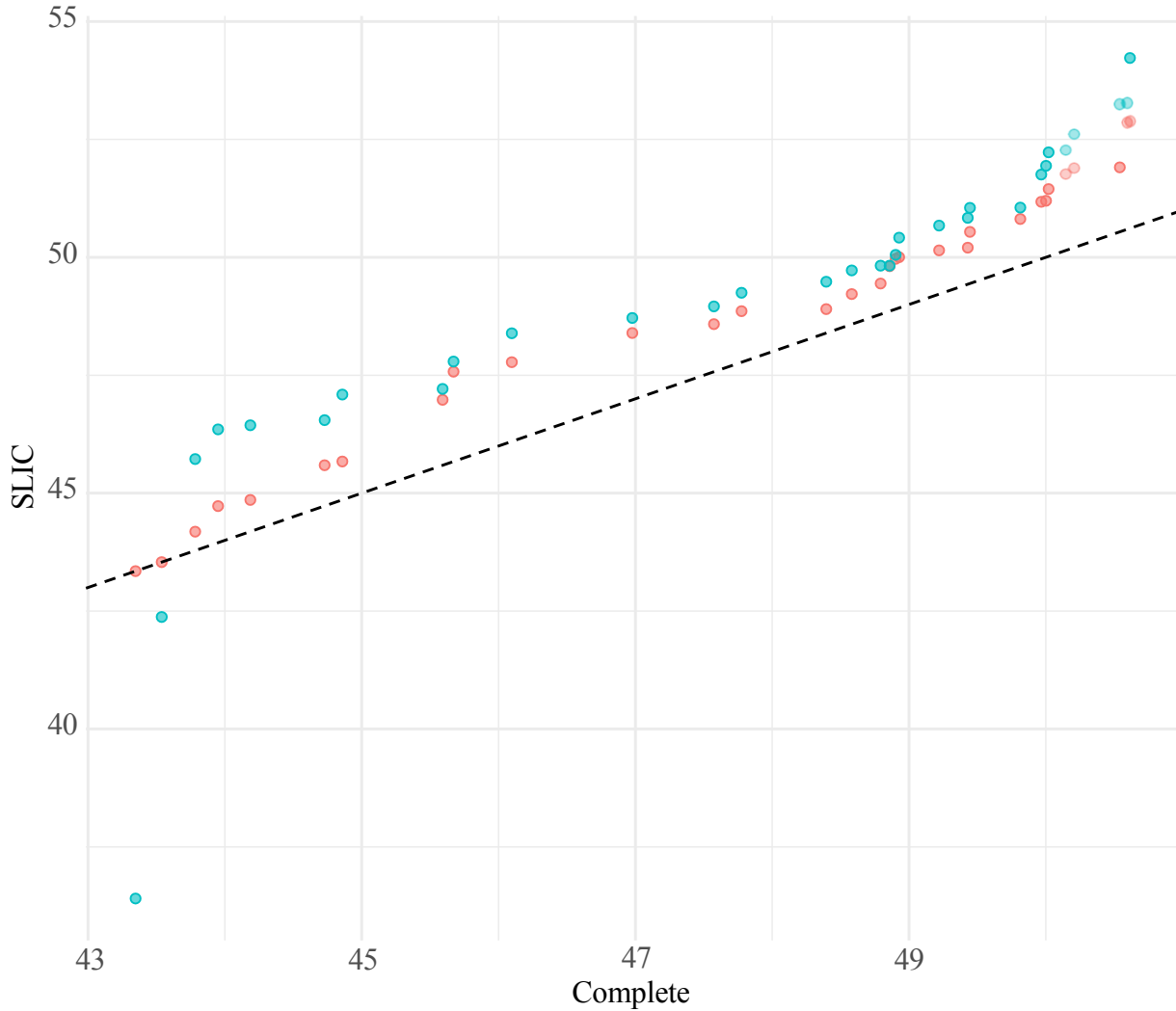


B Density plot



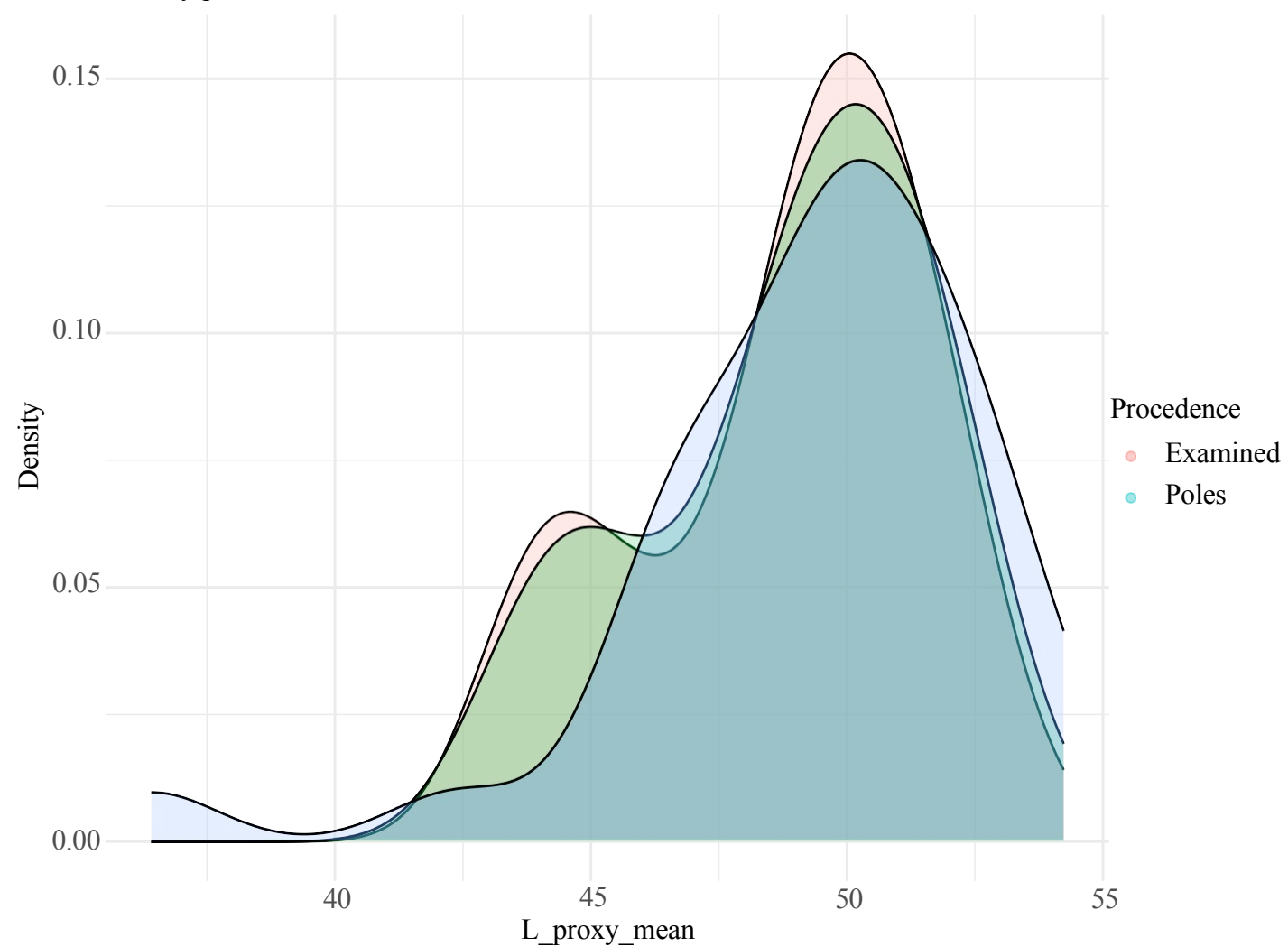
A

Q-Q Plot

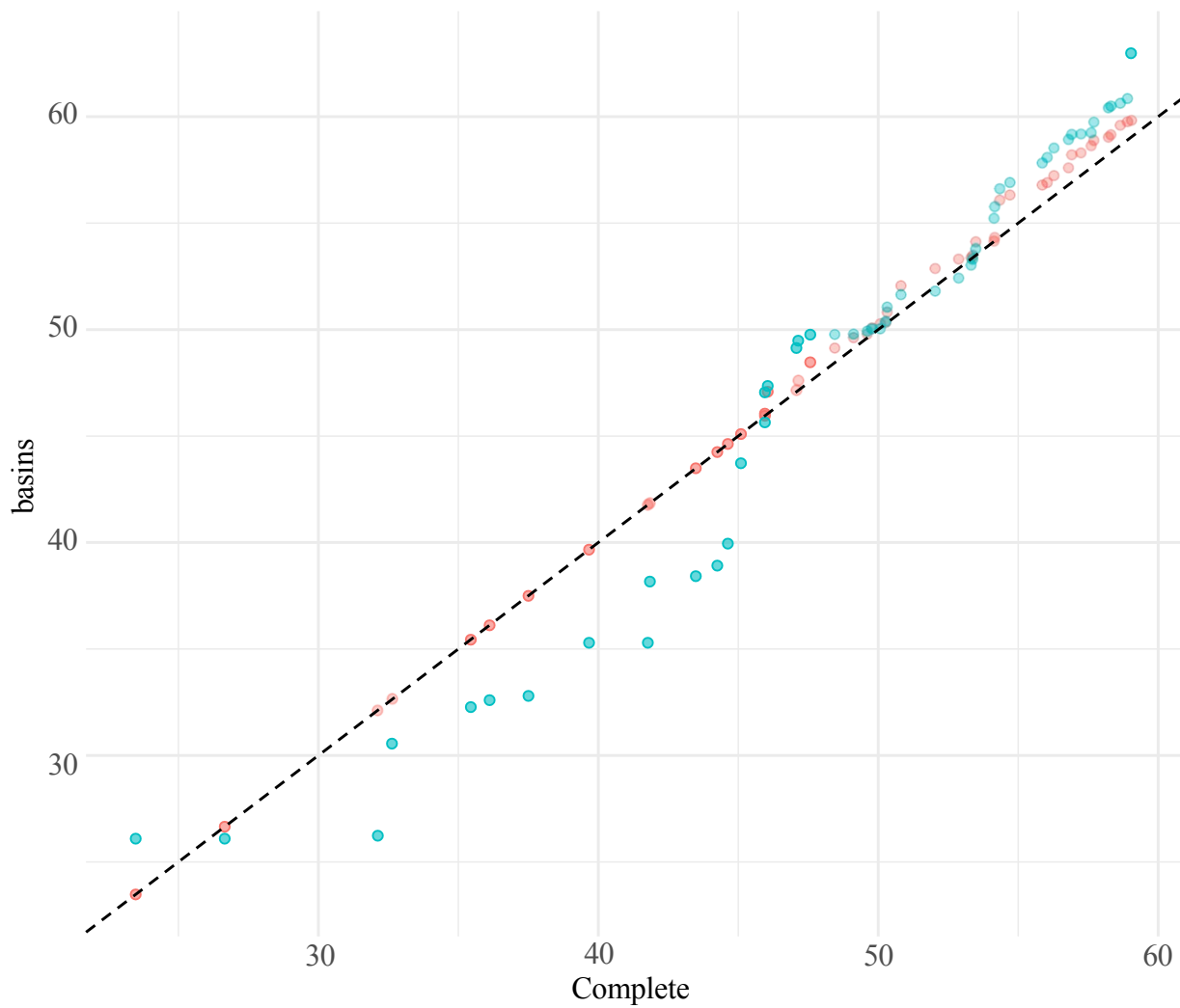


B

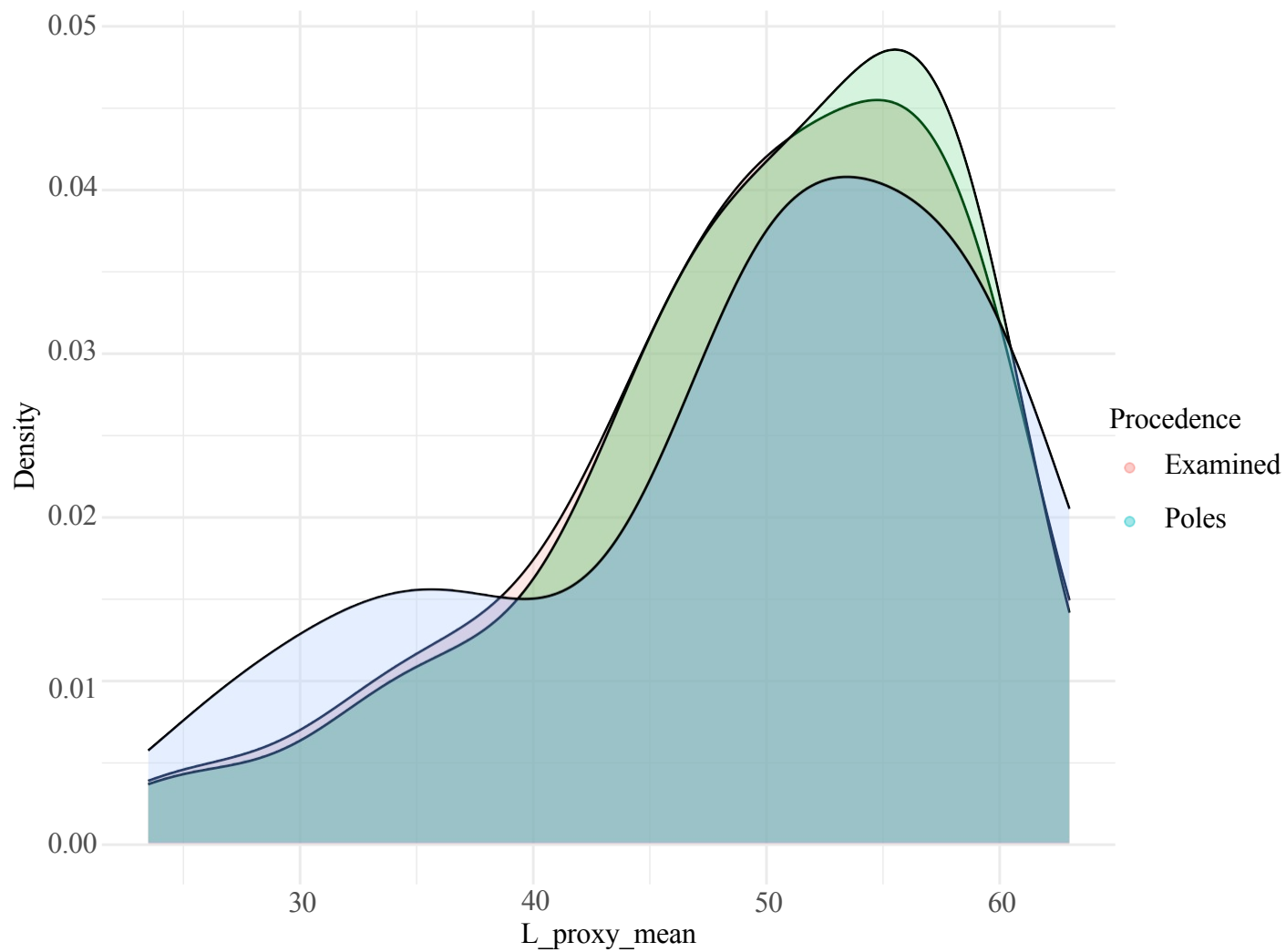
Density plot



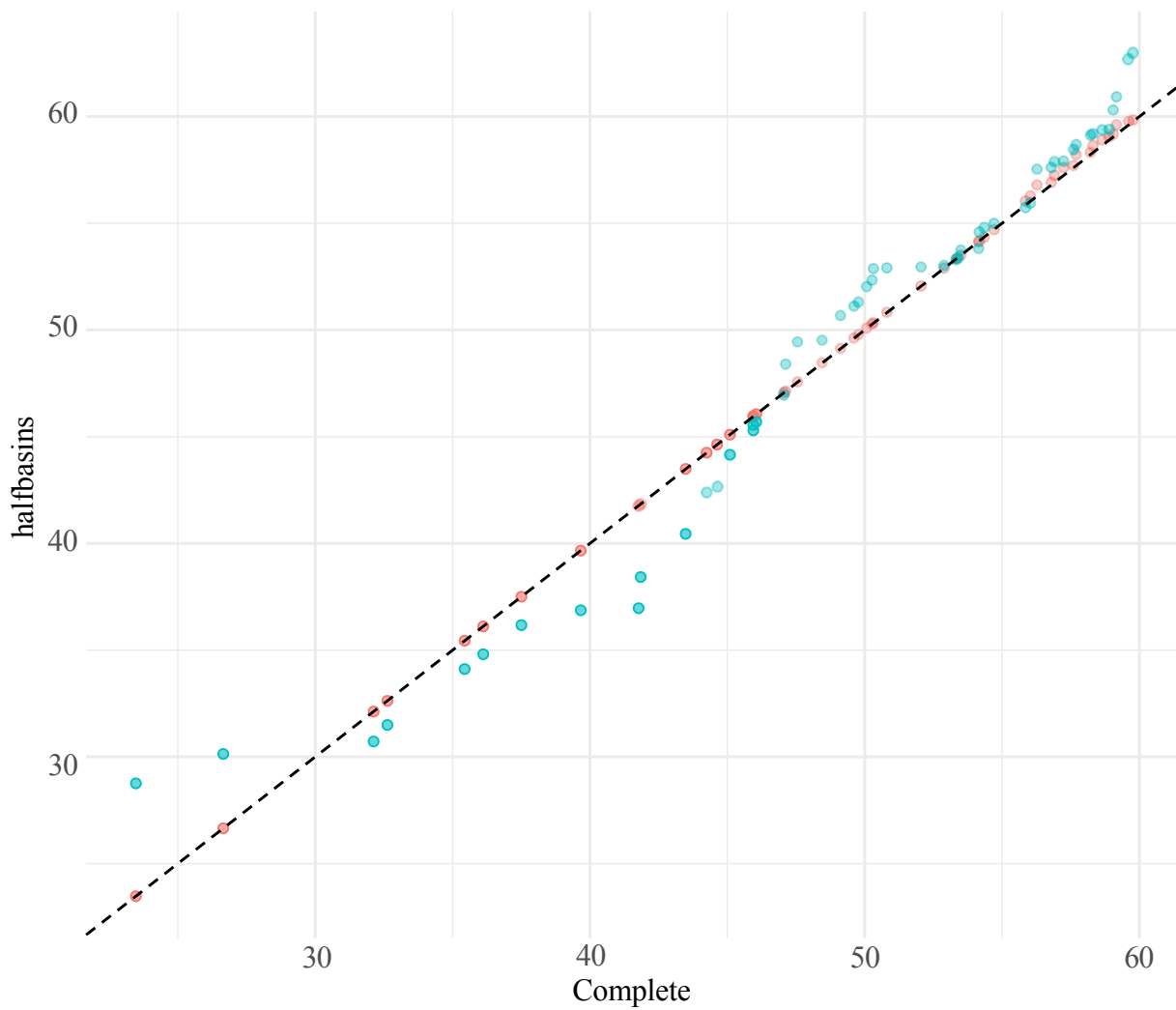
A Q-Q Plot



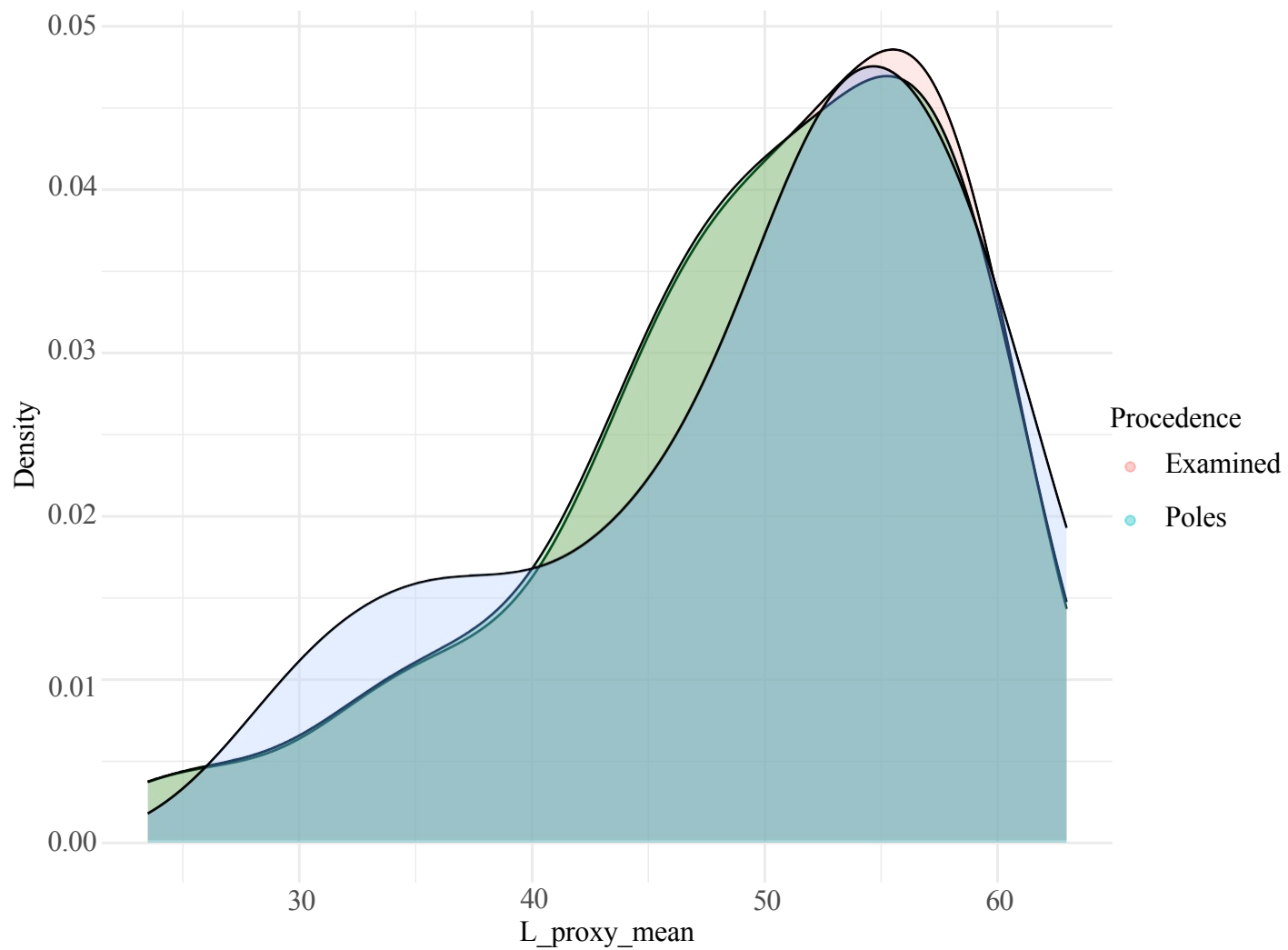
B Density plot



A Q-Q Plot



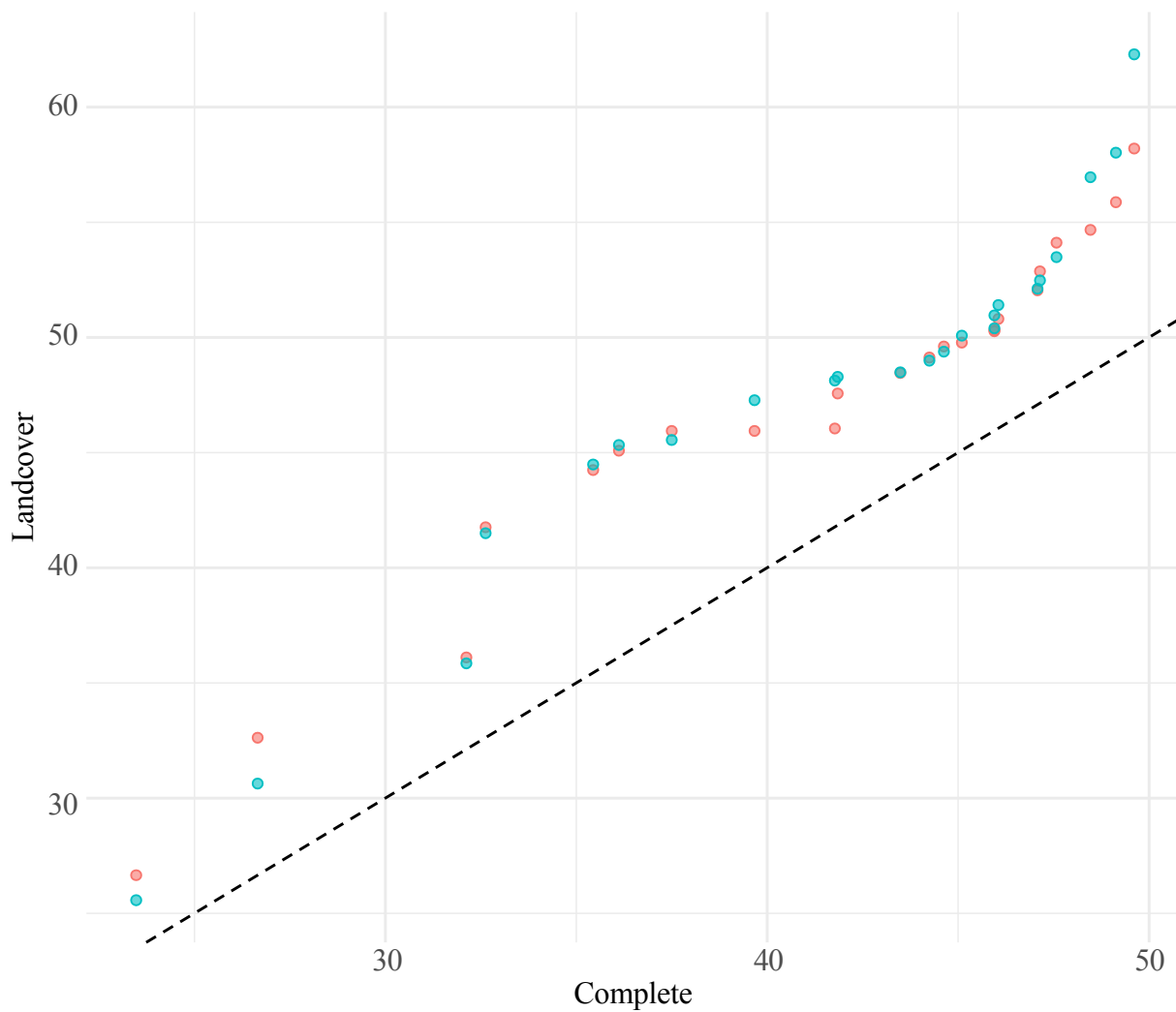
B Density plot



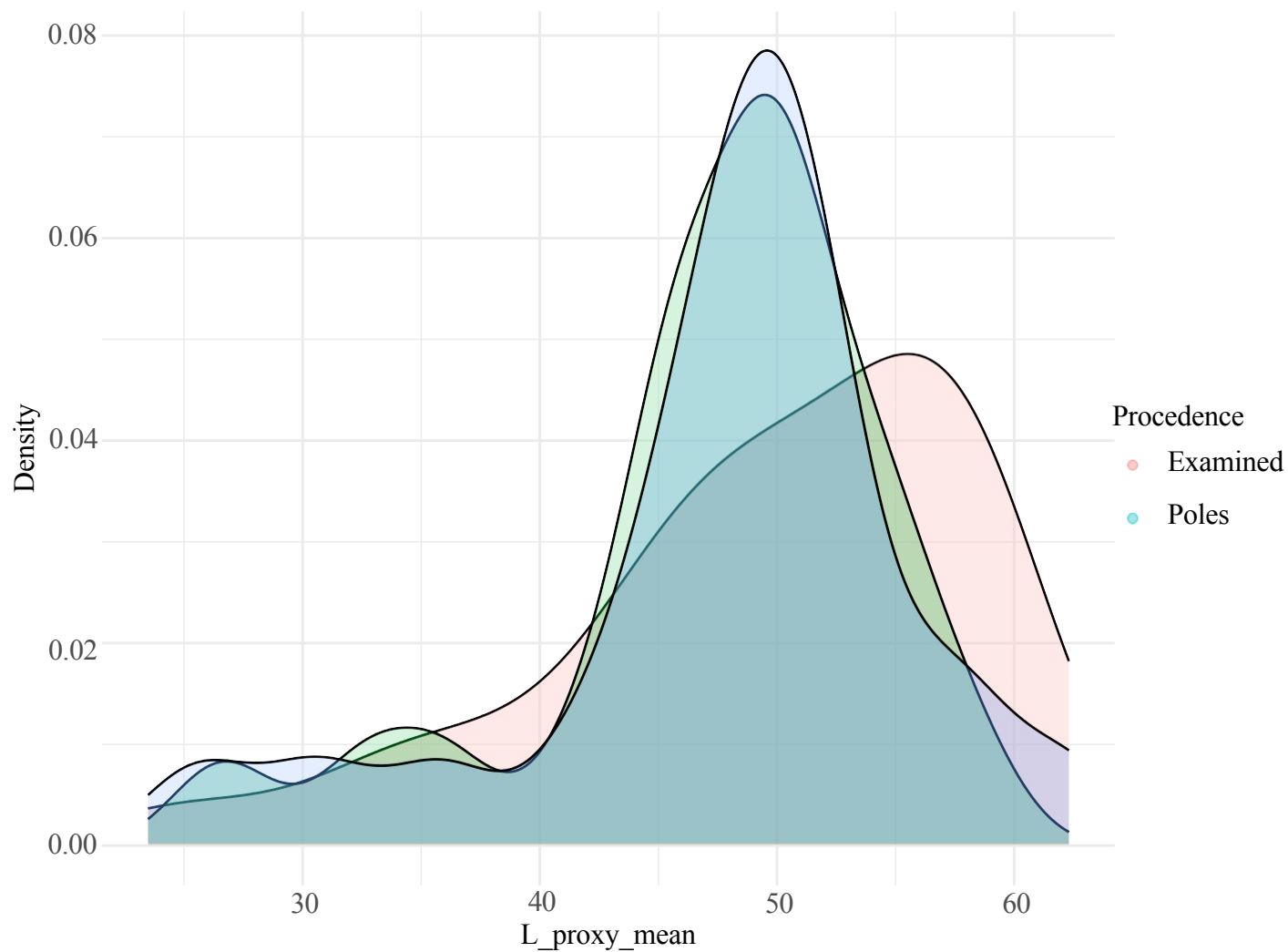


# AndeanUrban / Landcover / Comparison with Examined & Poles

A Q-Q Plot

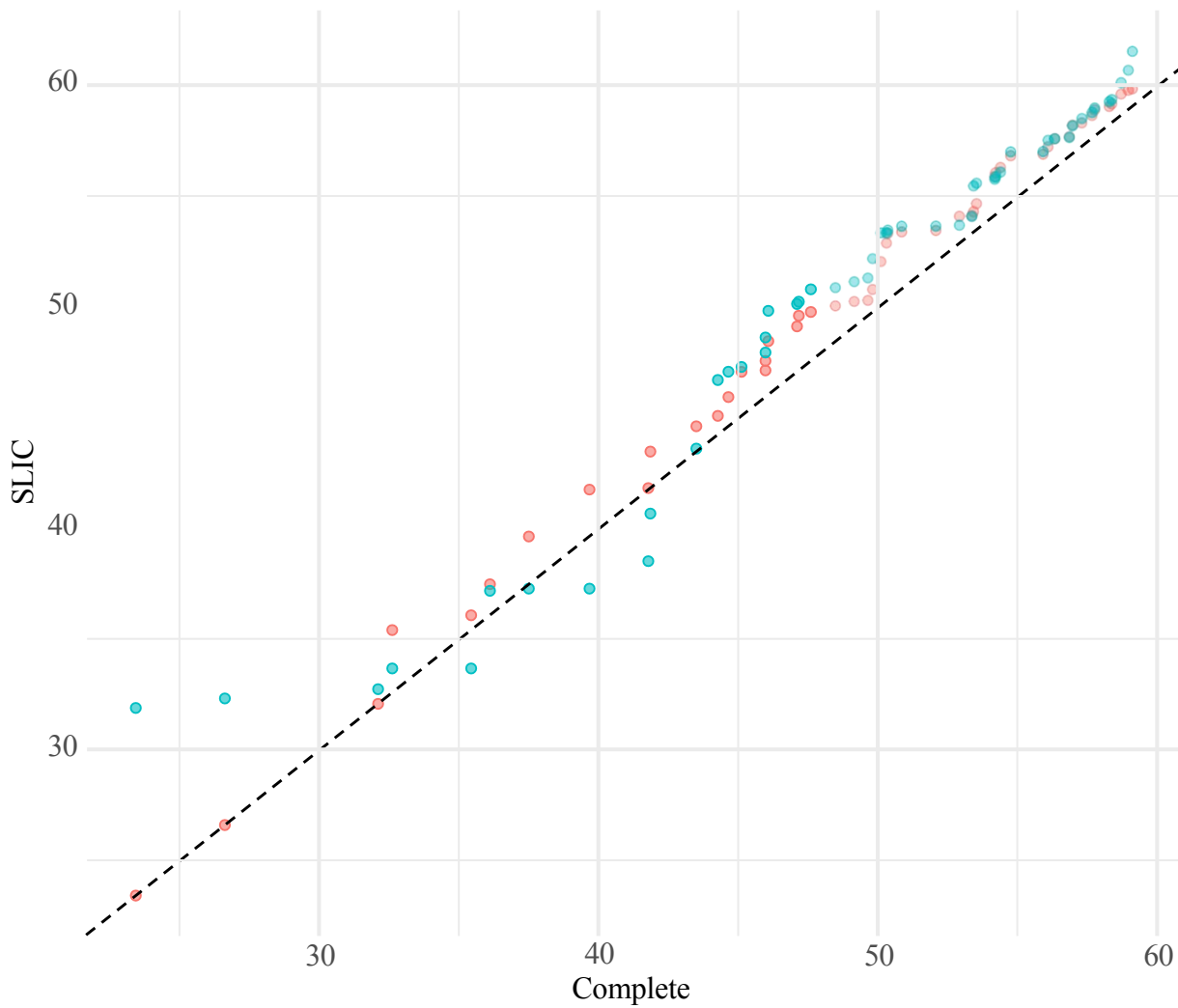


B Density plot

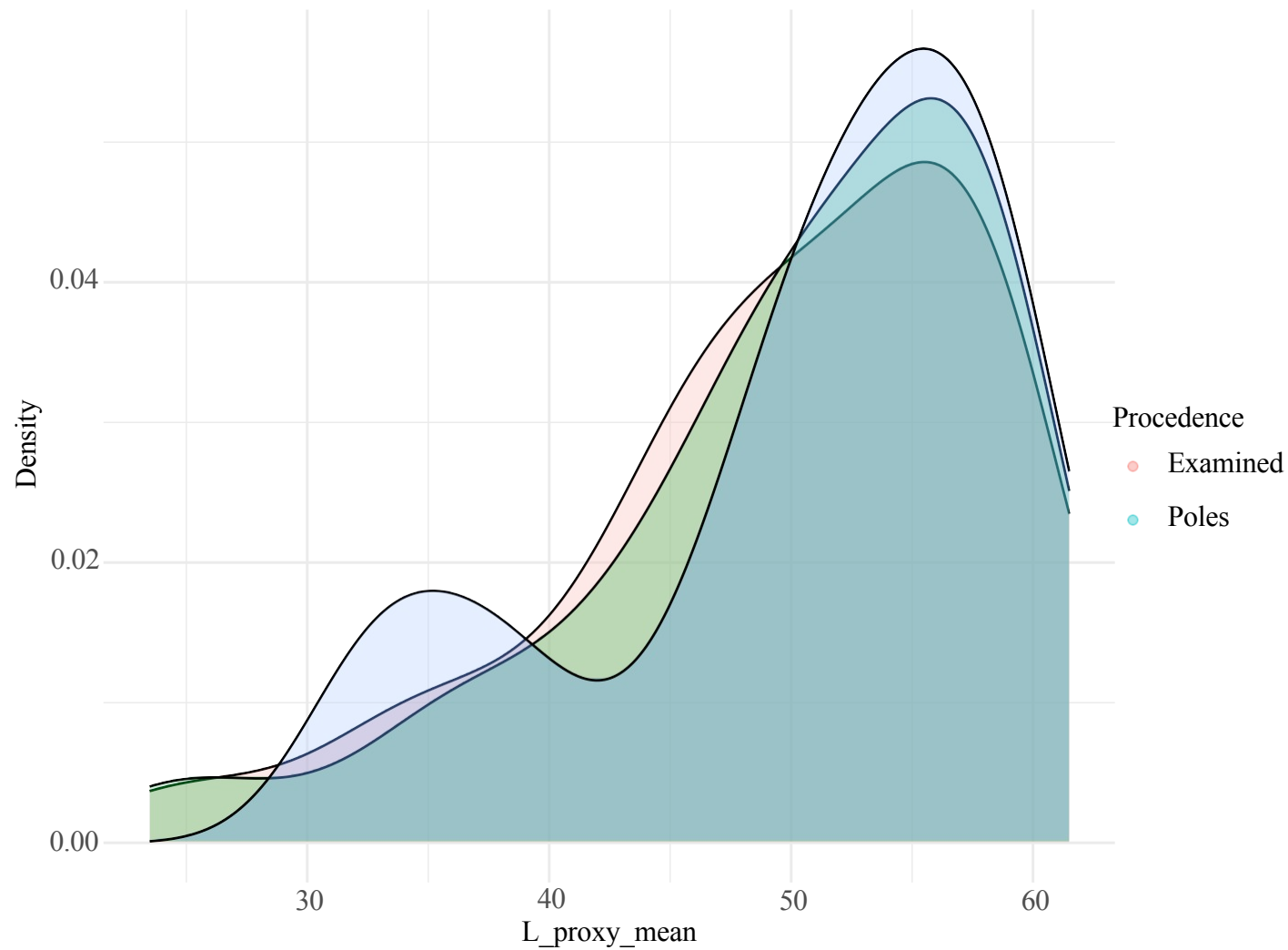


# AndeanUrban / SLIC / Comparison with Examined & Poles

A Q-Q Plot

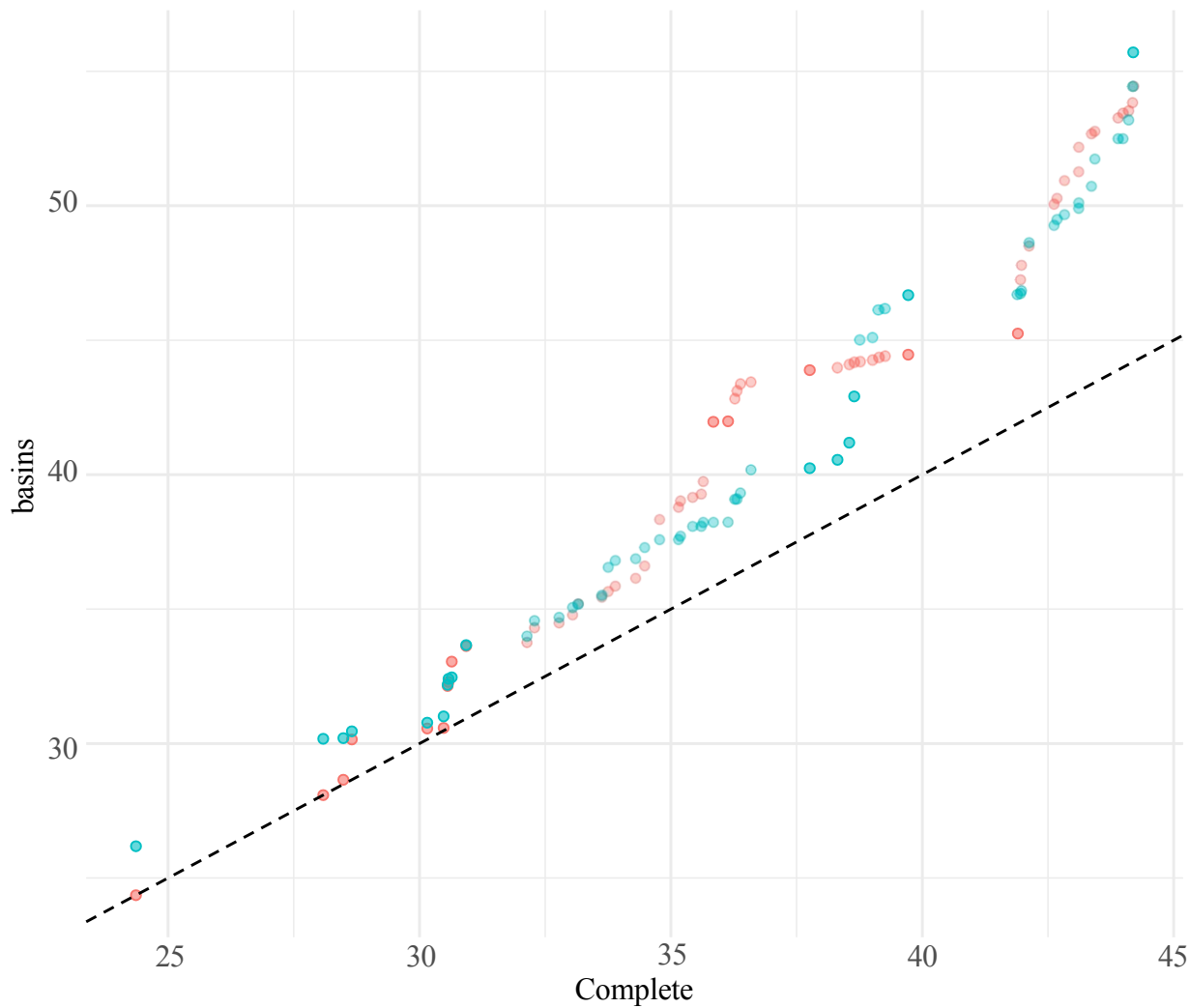


B Density plot

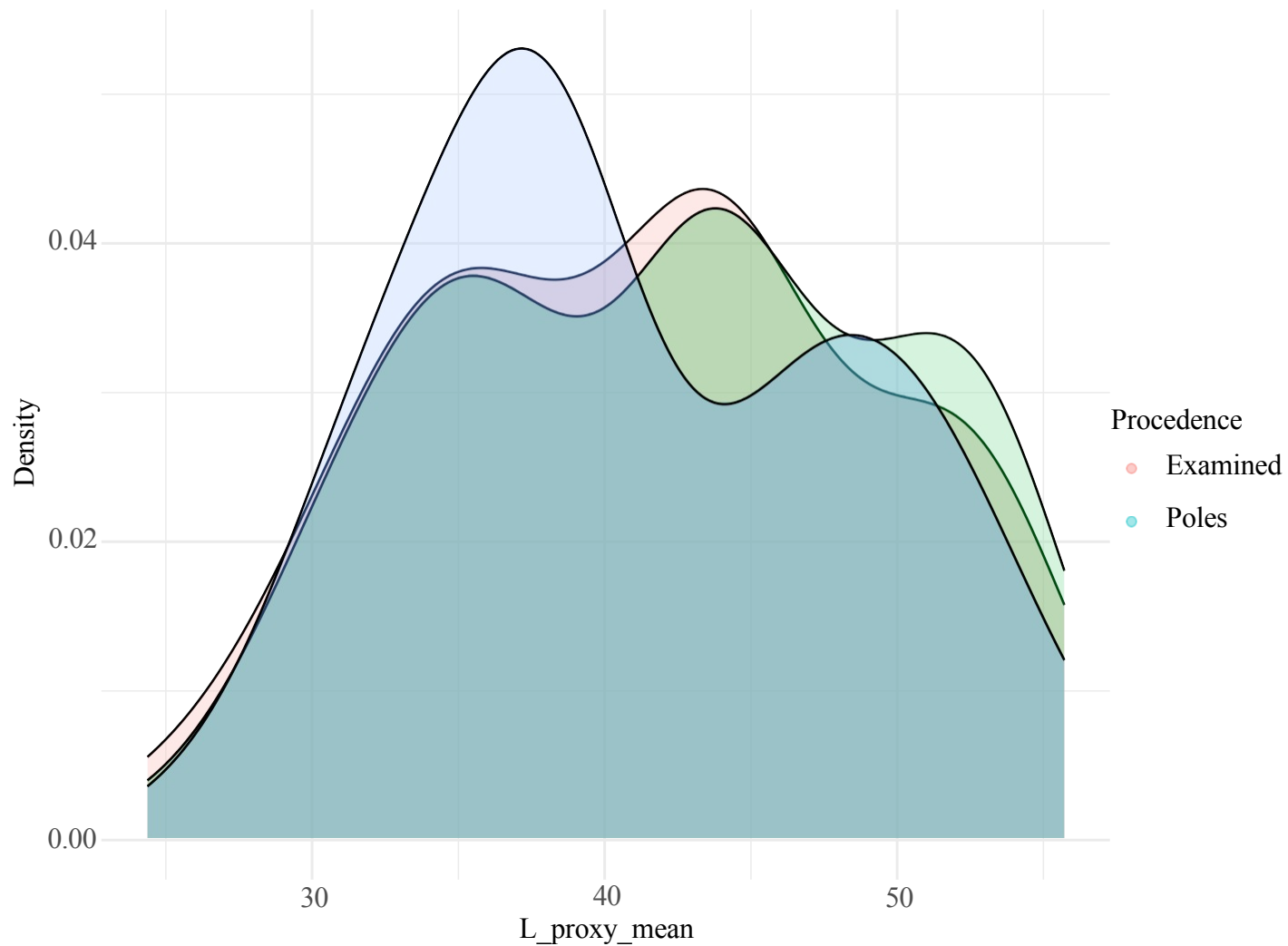


# Plains / basins / Comparison with Examined & Poles

A Q-Q Plot

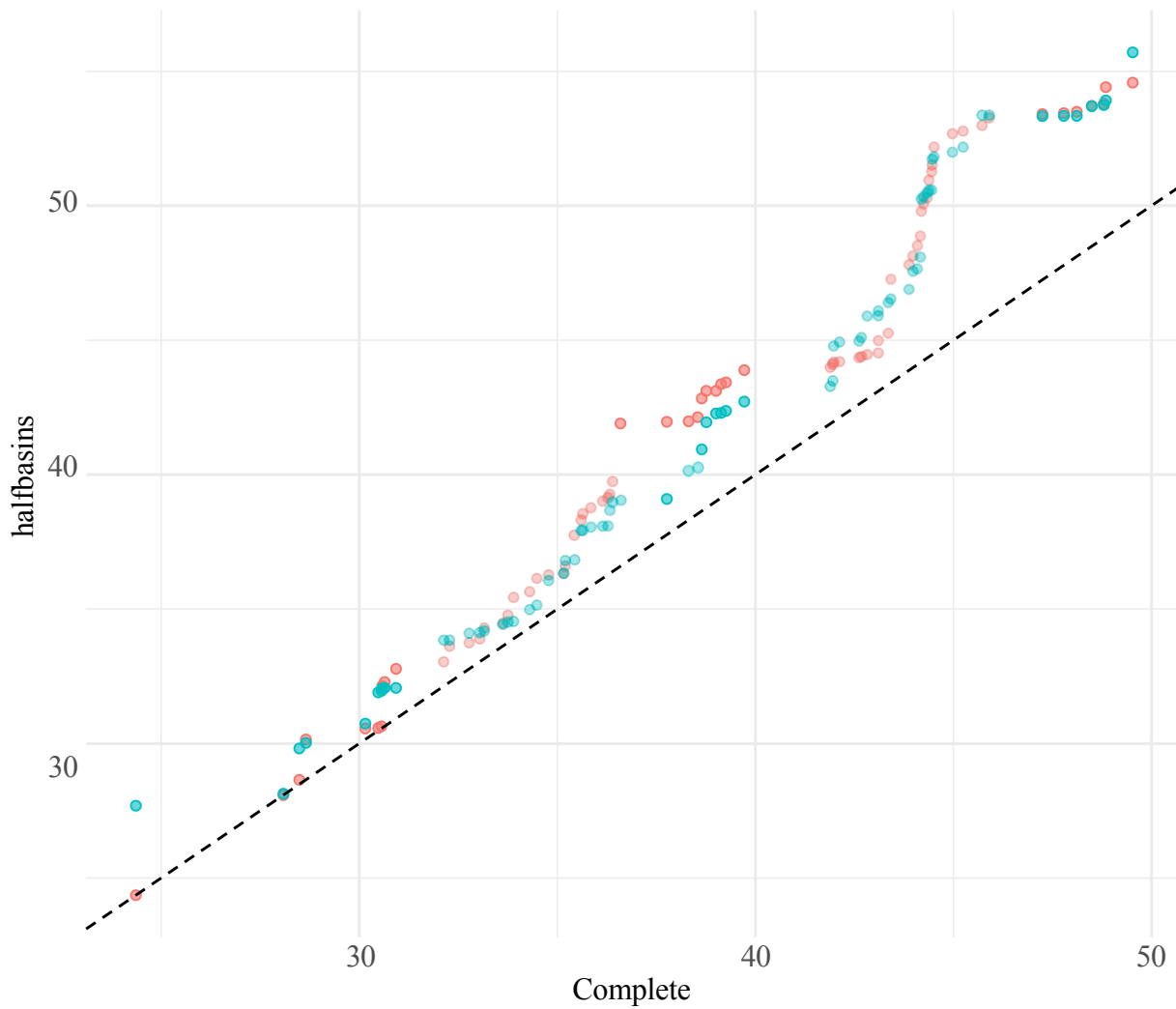


B Density plot

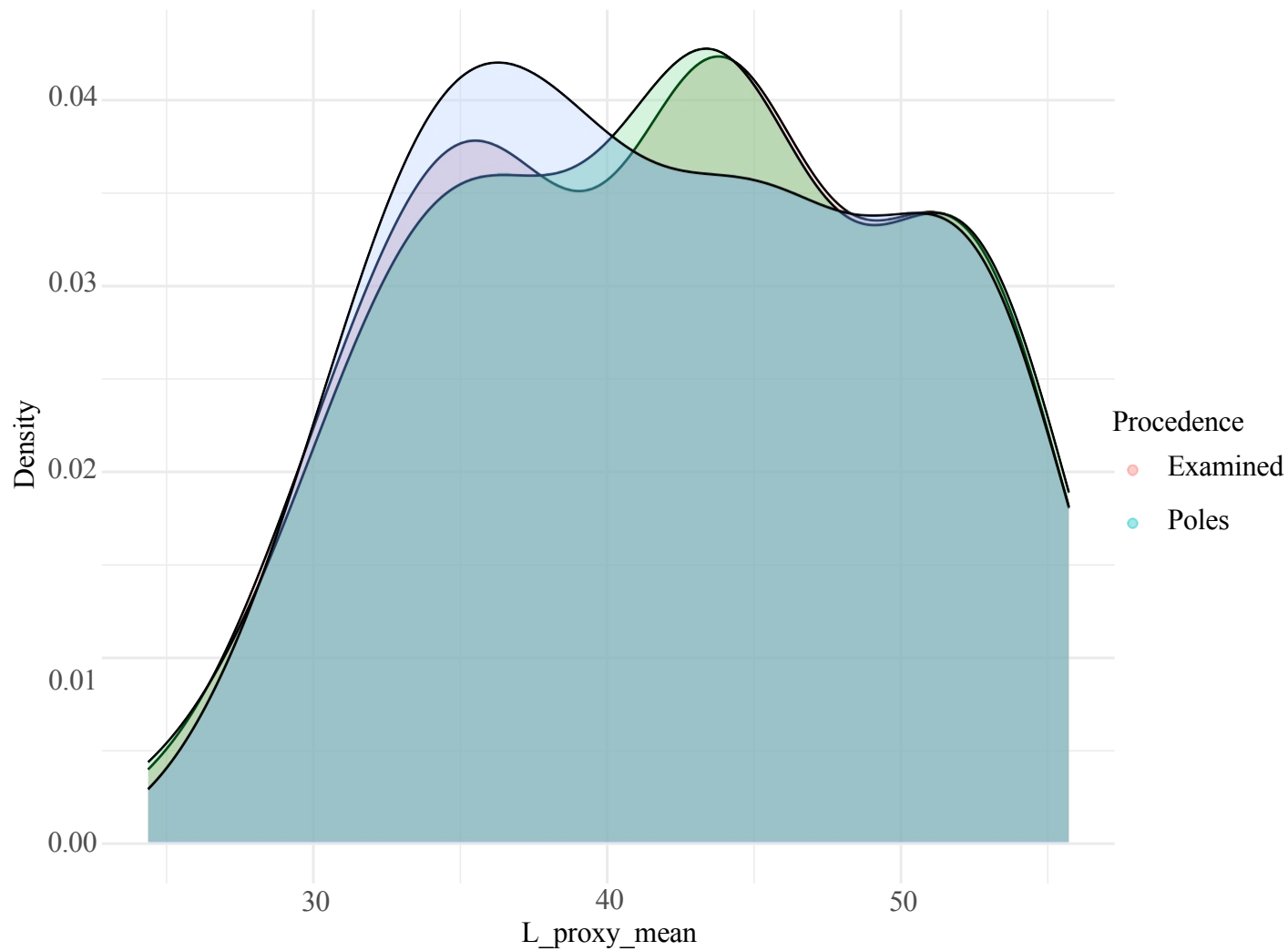


# Plains / halfbasins / Comparison with Examined & Poles

A Q-Q Plot

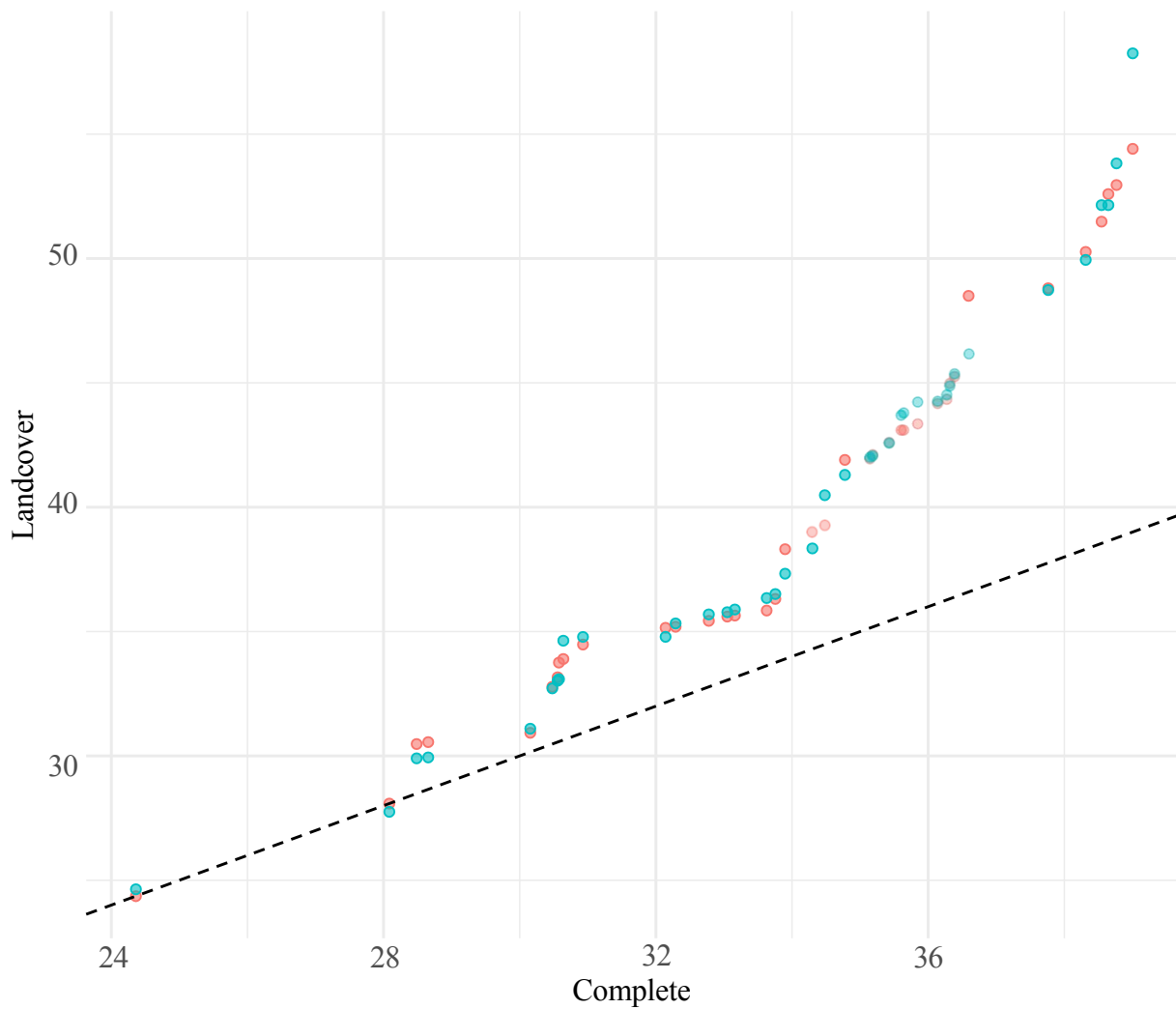


B Density plot

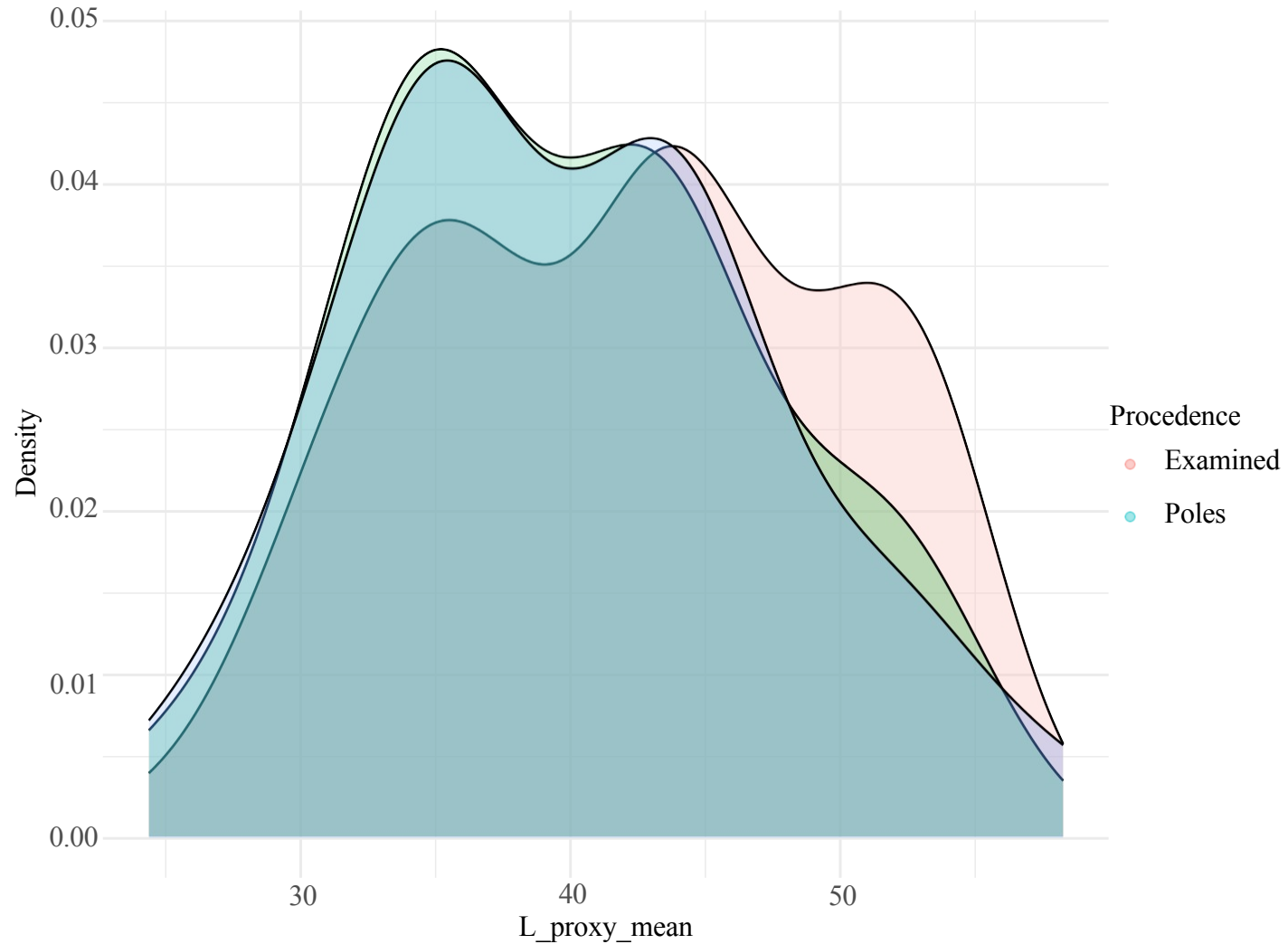


# Plains / Landcover / Comparison with Examined & Poles

A Q-Q Plot

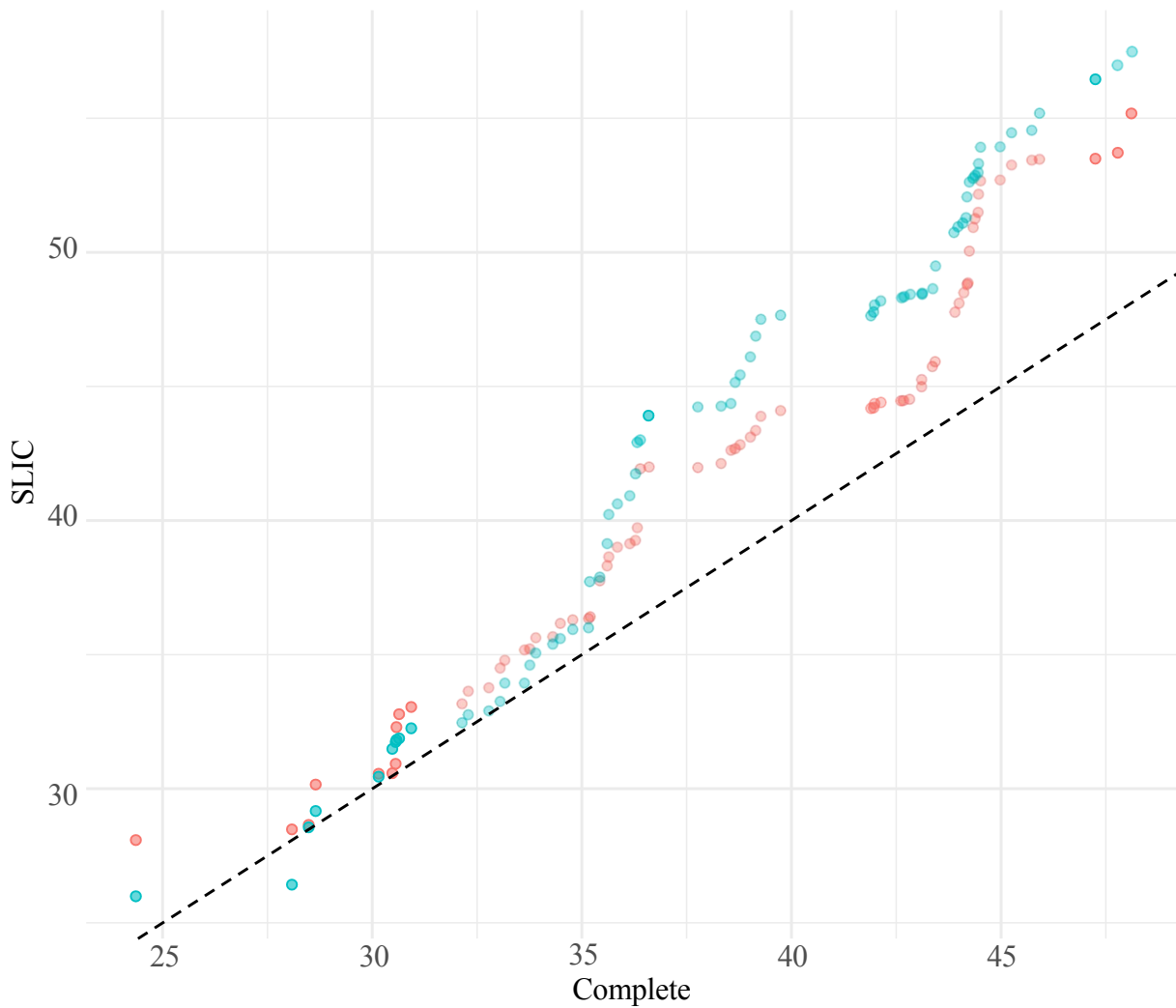


B Density plot



# Plains / SLIC / Comparison with Examined & Poles

A Q-Q Plot



B Density plot

