

The effects of climate on wine scores

Geoffrey Legault, Phoebe Autio, Faith Jones

University of British Columbia, Wolkovich Group
Forest and Conservation Sciences

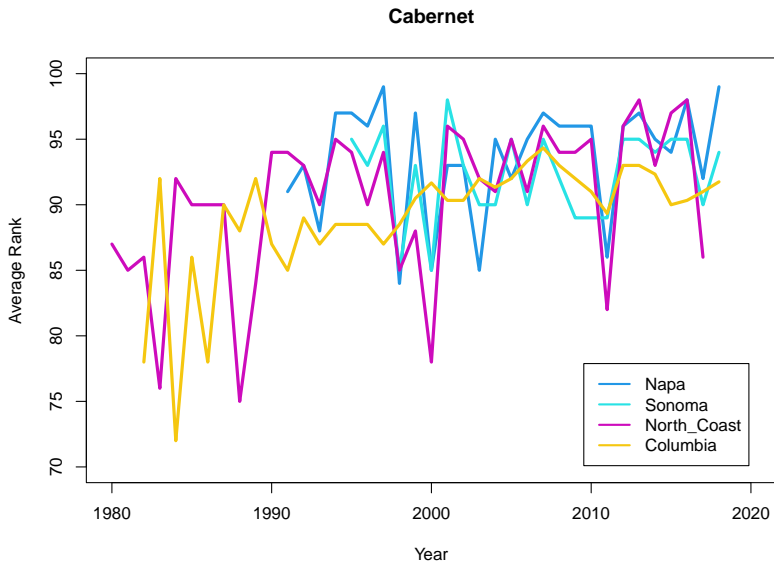
Motivation

- ▶ Wines are frequently scored by experts (0-100 scale)
- ▶ These scores influence buyers and therefore affect demand for wine
- ▶ If scores are a reflection of "quality", they could be affected by climate
 - ▶ Some support from French, Italian regions
- ▶ How does climate affect scores of North American wines?

Data

- ▶ Wine scores from 3 sources (Wine Enthusiast, Wine Advocate, Wine Spectator)
- ▶ 5 regions
 - ▶ Napa, Sonoma, North Coast, Willamette Valley, Columbia Valley
- ▶ 7 varieties
- ▶ Climate variables: GDD, Precipitation (seasonal or by phenophase)

Wine scores

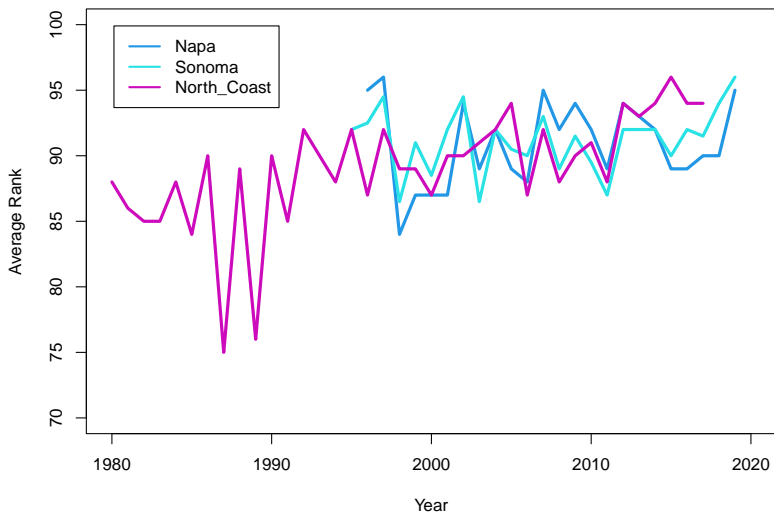


Wine scores

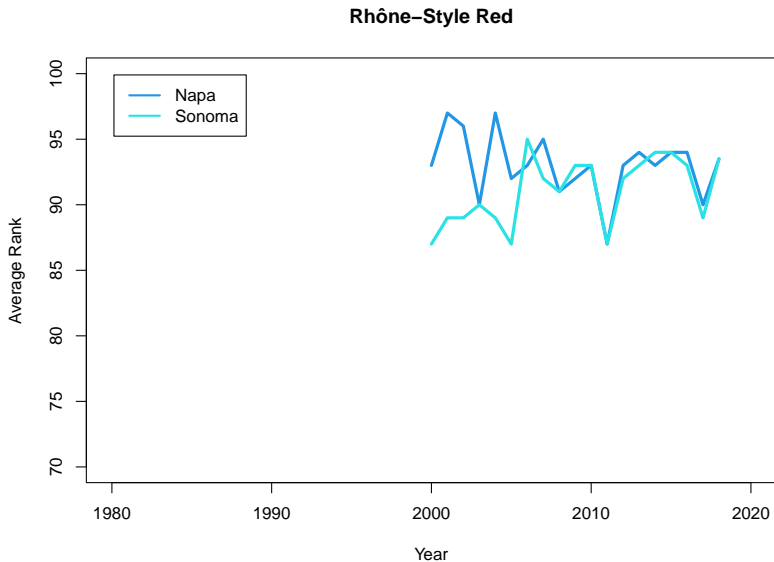


Wine scores

Chardonnay

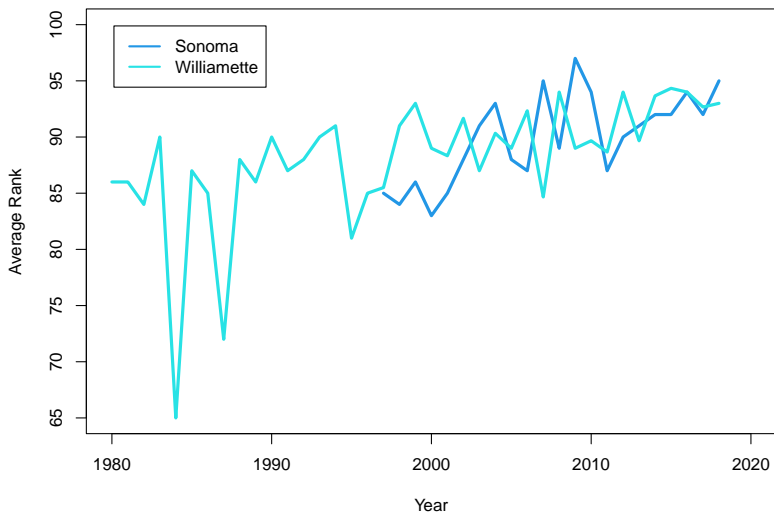


Wine scores



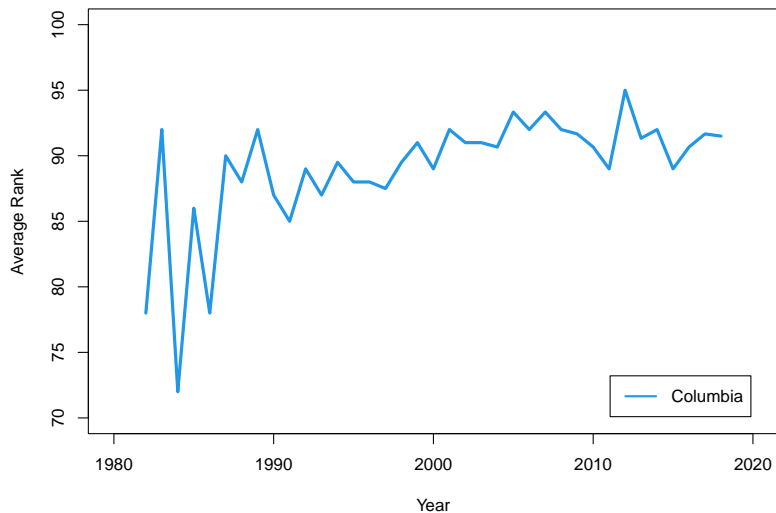
Wine scores

Pinot Noir



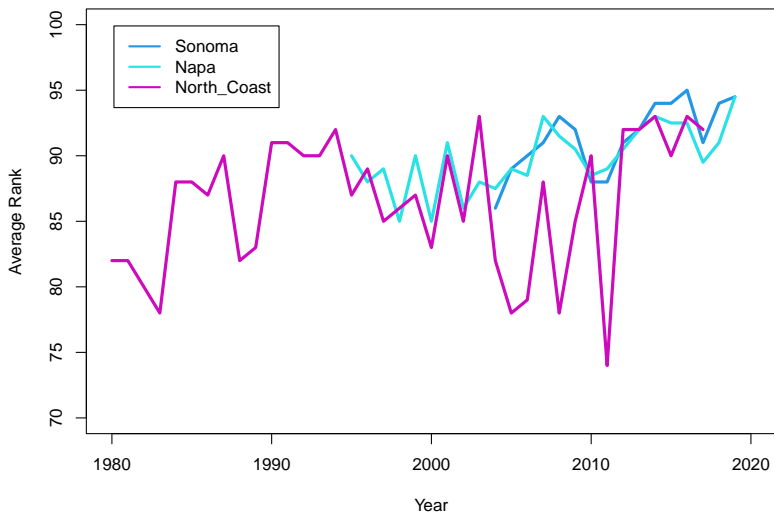
Wine scores

Syrah

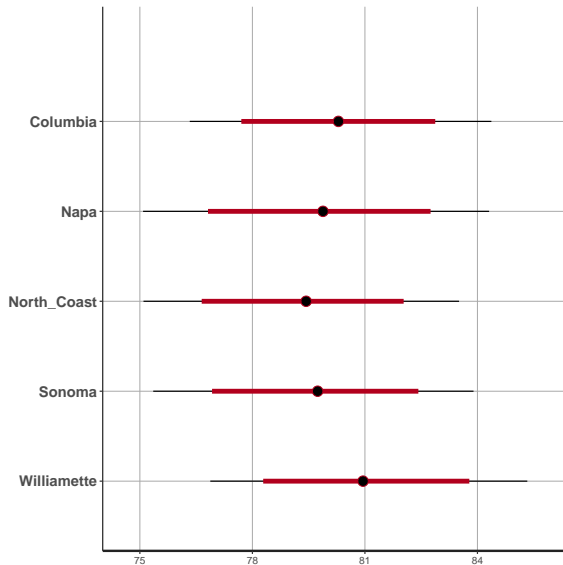


Wine scores

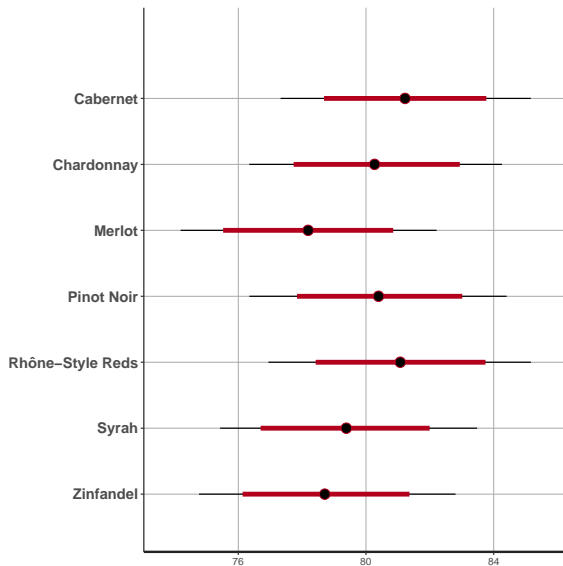
Zinfandel



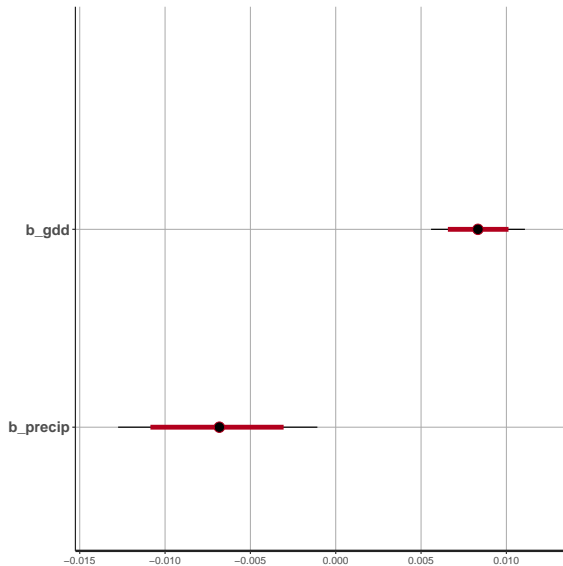
Results (seasonal)



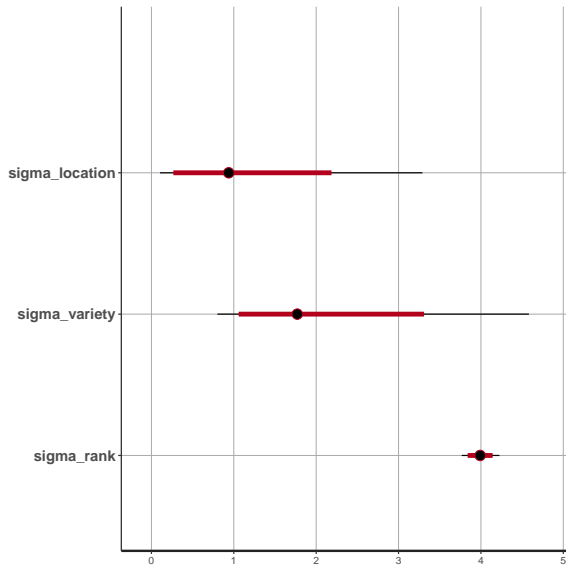
Results (seasonal)



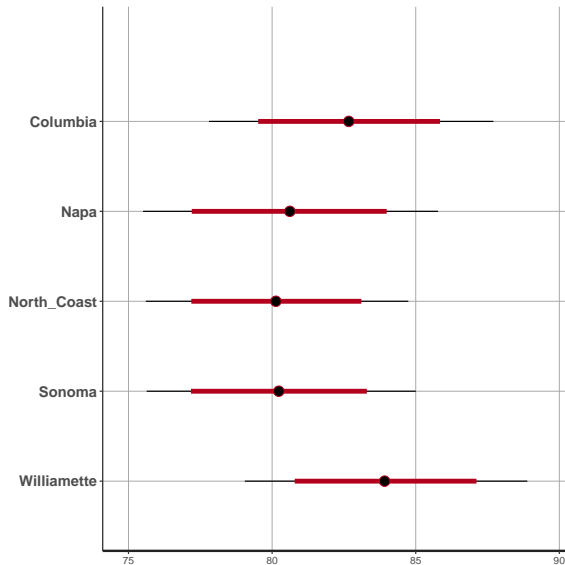
Results (seasonal)



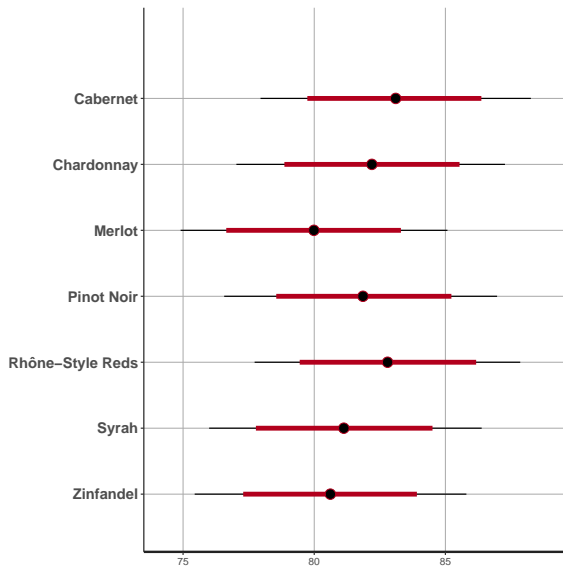
Results (seasonal)



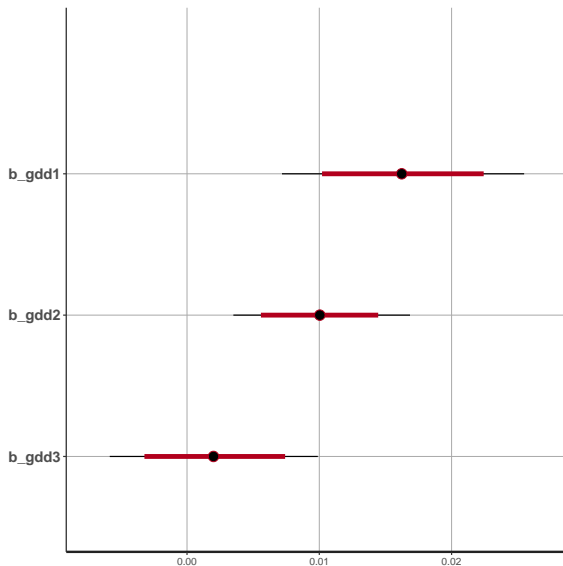
Results (three phases)



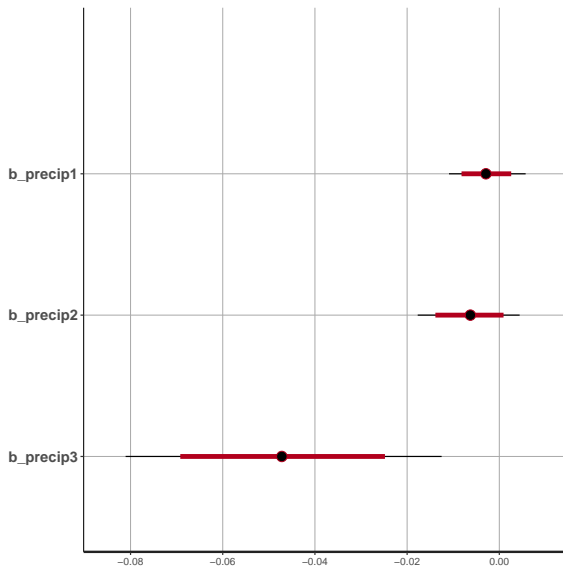
Results (three phases)



Results (three phases)



Results (three phases)



Results (three phases)

