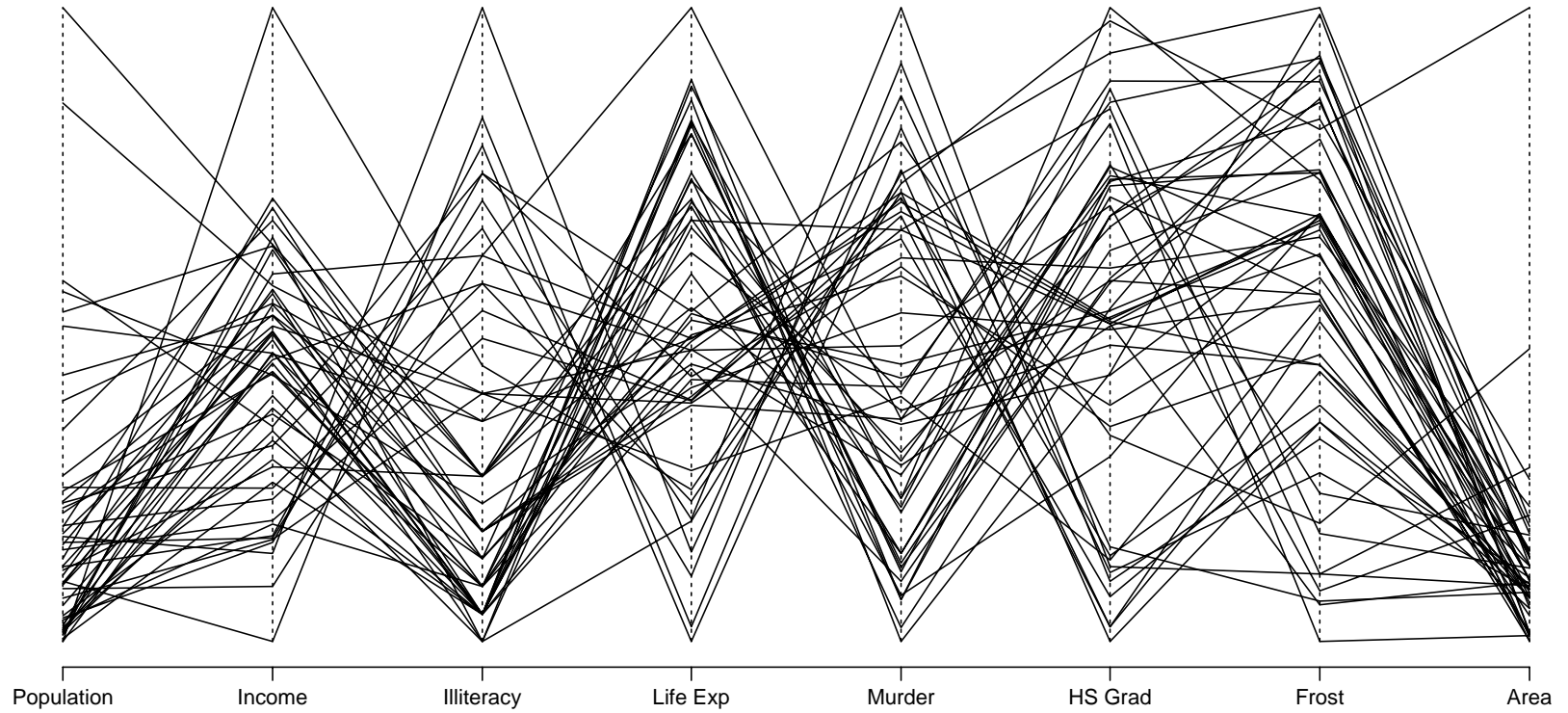


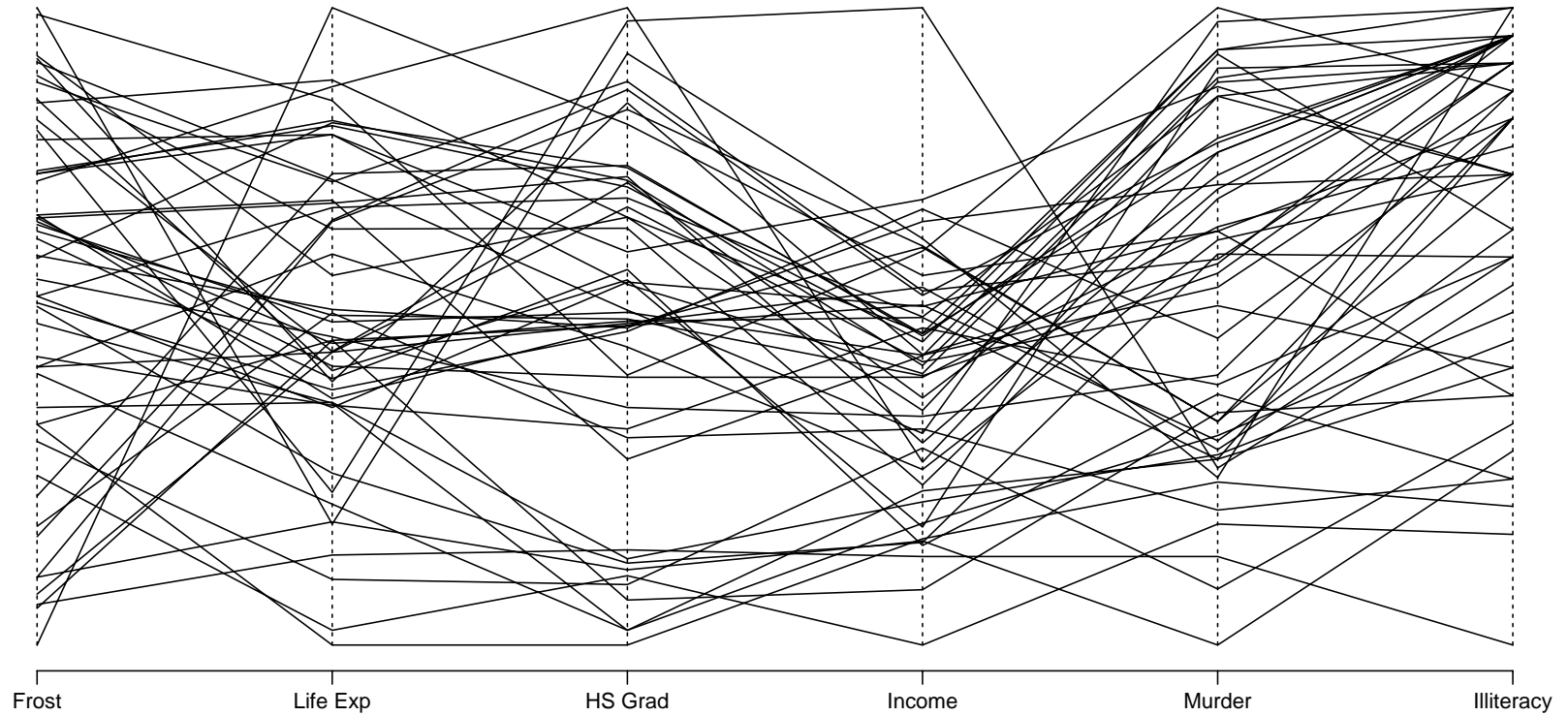
Finding Needles in Haystacks:

Tools for Finding Structure in Large Datasets

Brian D. Ripley



Parallel coordinate plot of the state.x77 dataset.



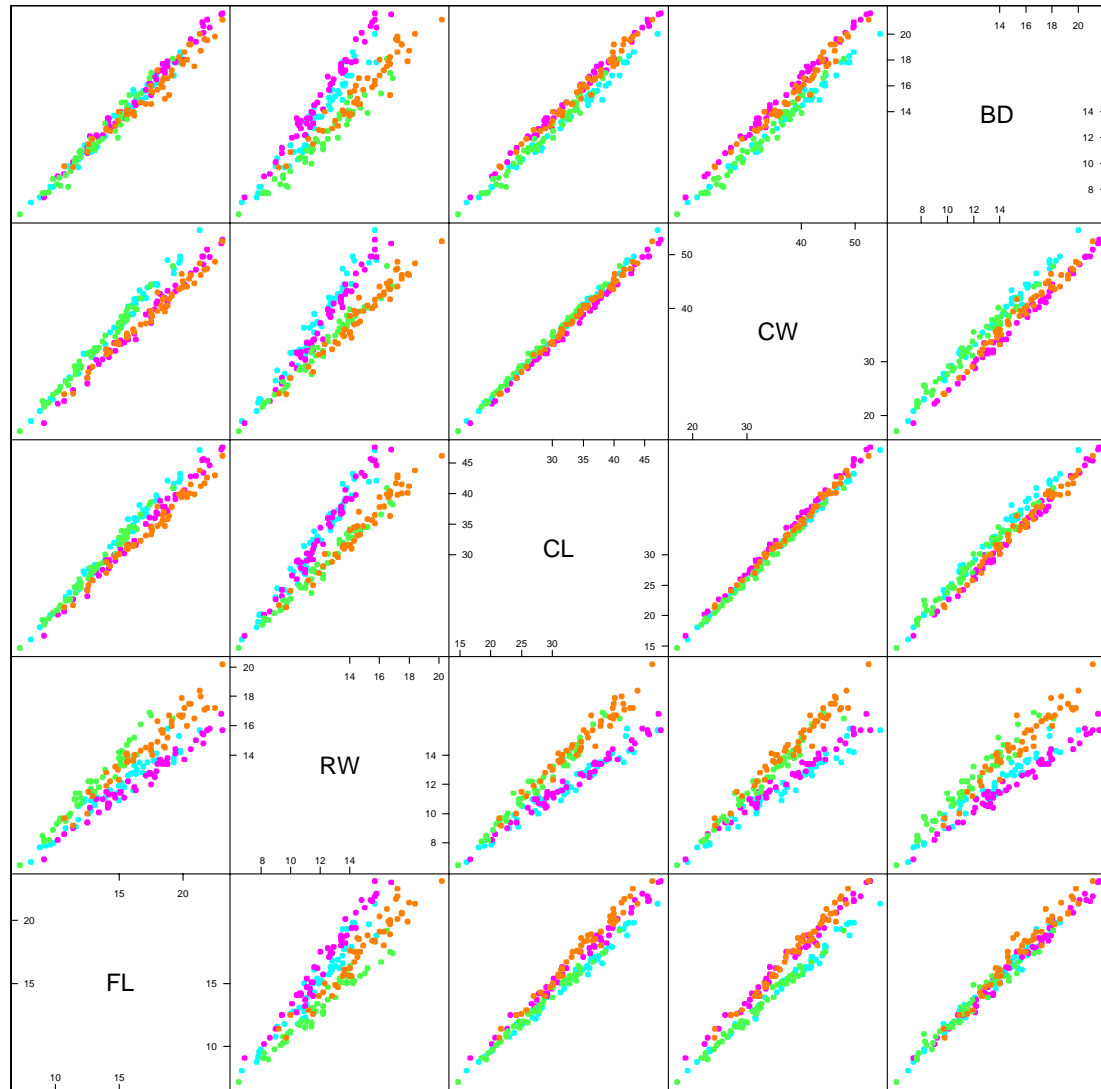
A better parallel coordinate plot of the state.x77 dataset.

Leptograpsus variegatus Crabs

200 crabs from Western Australia. Two colour forms, blue and orange; collected 50 of each form of each sex. Are the colour forms species?

Measurements of carapace (shell) length CL and width CW, the size of the frontal lobe FL, rear width RW and body depth BD.

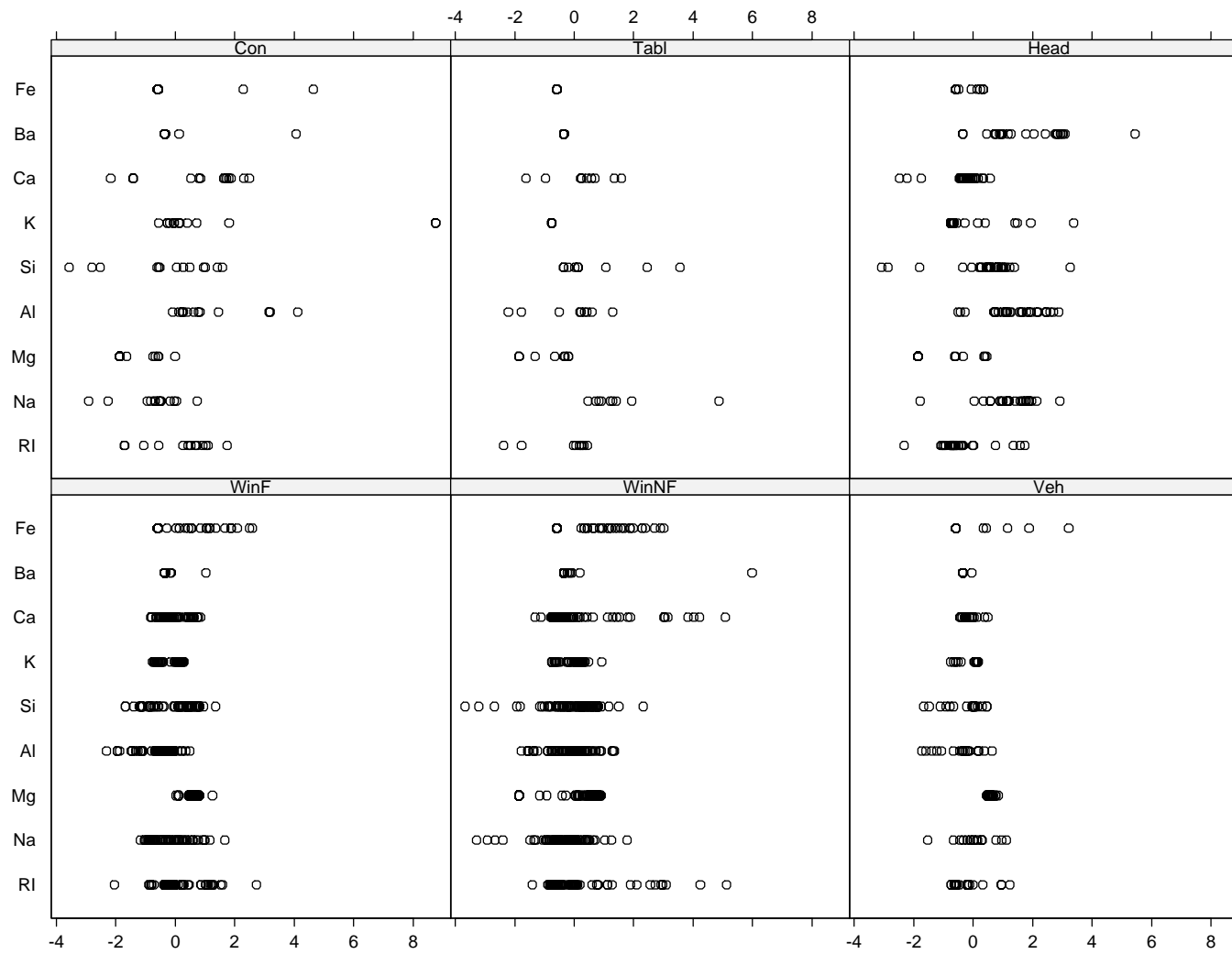
Blue male • Blue female • Orange Male • Orange female •



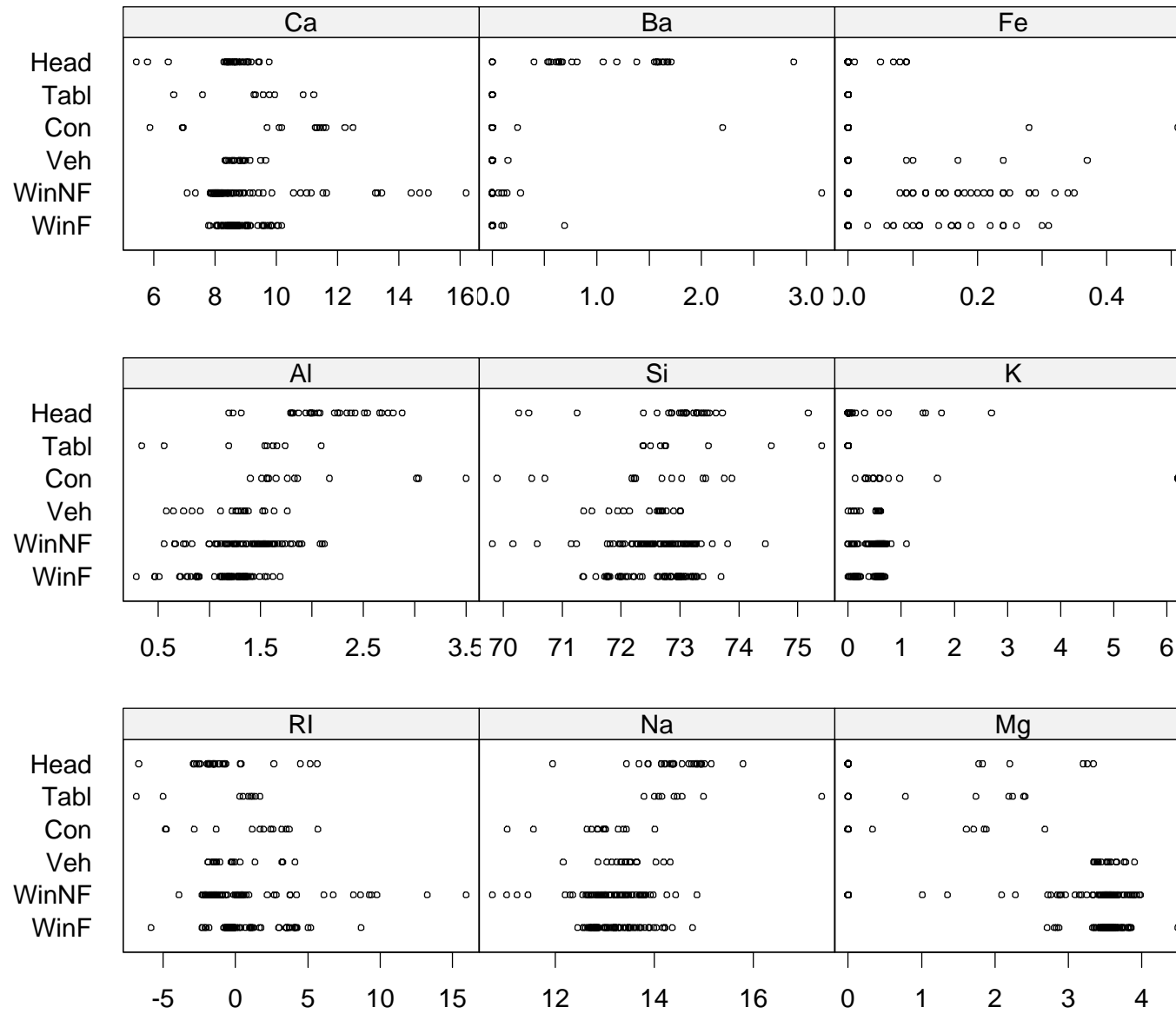
A Forensic Example

Data on 214 fragments of glass collected at scenes of crimes. Each has a measured refractive index and composition (weight percent of oxides of Na, Mg, Al, Si, K, Ca, Ba and Fe).

Grouped as window float glass (70), window non-float glass (76), vehicle window glass (17) and other (containers, tableware, headlamps) (22).



Strip plot by type of glass.



Strip plot by type of analyte.