

4) For comparing R vs Cpp, QR vs sweep, please use spline regression, where the number of predictors is large. You can just report the time for you to finish the spline regression using the competing methods.

Comparison of R vs CPP, QR vs Sweep

### **Sweep**

Time taken to execute in R - 2.787757 seconds

Time taken to execute in CPP - 0.02956796 seconds

### **QR**

Time taken to execute in R - 3.778544 seconds

Time taken to execute in CPP - 0.08265305 seconds