Appendix

Isabel Renteria and Zuzu Trottier
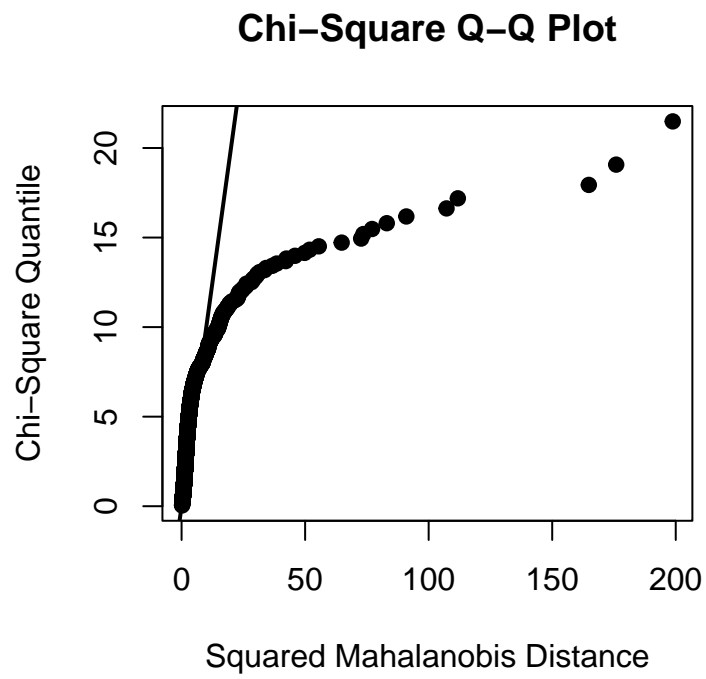
Chi−Square Q−Q Plot

Figure 1: Multivariate QQ plot for pre covid data

Chi−Square Q−Q Plot
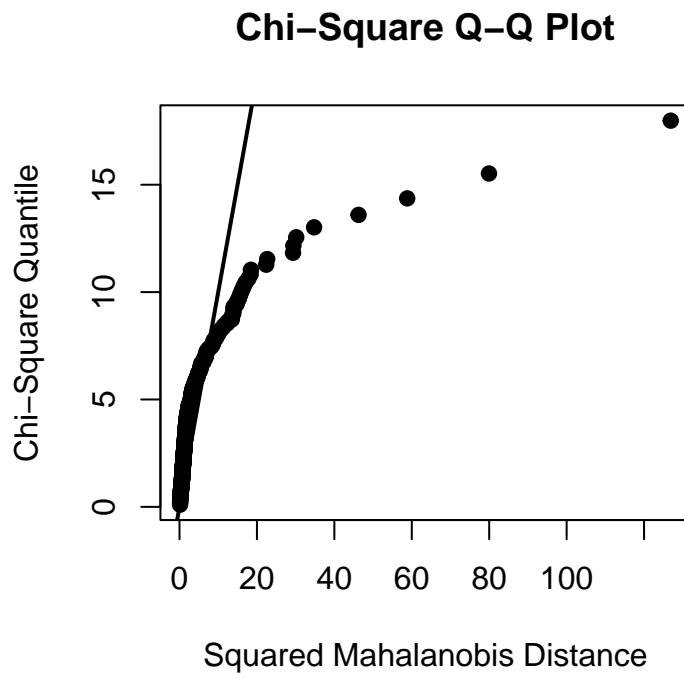
Figure 2: Multivariate QQ plot for post covid data

Chi−Square Q−Q Plot
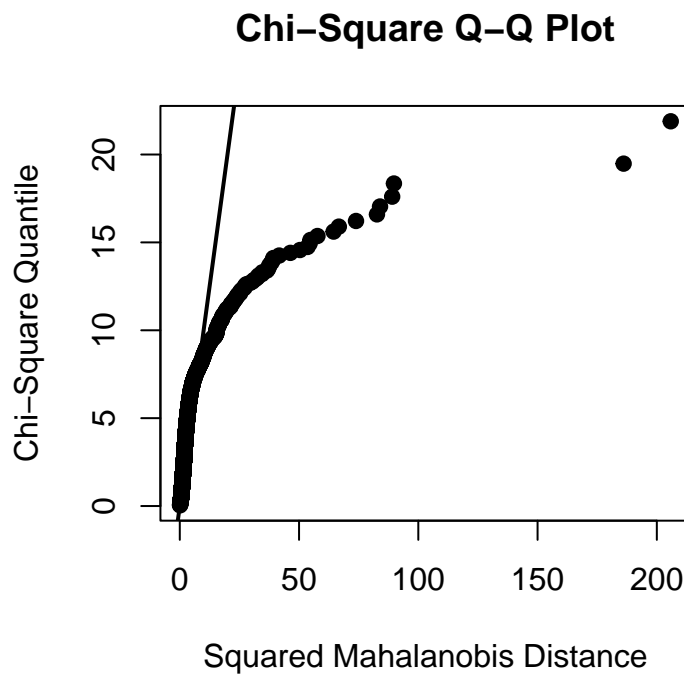
Figure 3: Multivariate QQ plot for all data

Variables – PCA

Suspensions_Per_100_Students_Year_2_Pct

Teacher_Attendance_Year_2_Pct

Student_Attendance_Year_2_Pct

Misconducts_To_Suspensions_Year_2_Pct

Dim1 (67.8%)

Dim2 (29.8%)

Figure 4: Biplot of variables for pre covid data's PCA

Variables – PCA

Suspensions_Per_100_Students_Year_2_Pct

Teacher_Attendance_Year_2_Pct

Misconducts_To_Suspensions_Year_2_Pct
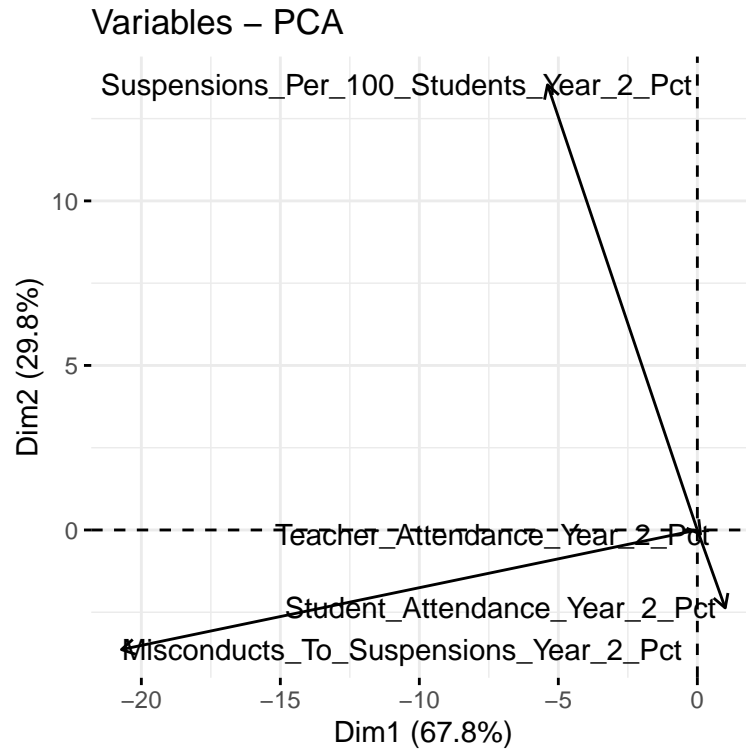
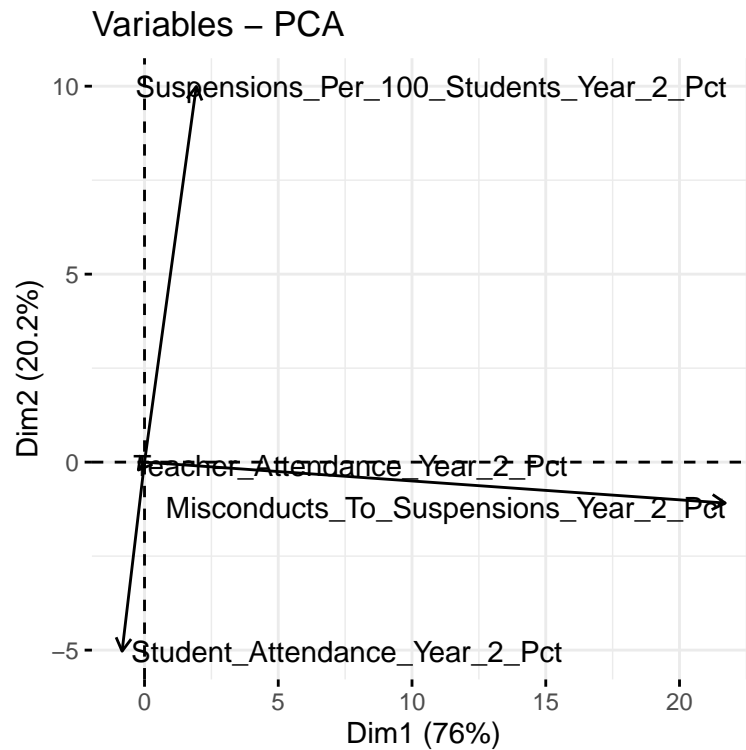Student_Attendance_Year_2_Pct

Dim1 (76%)

Dim2 (20.2%)

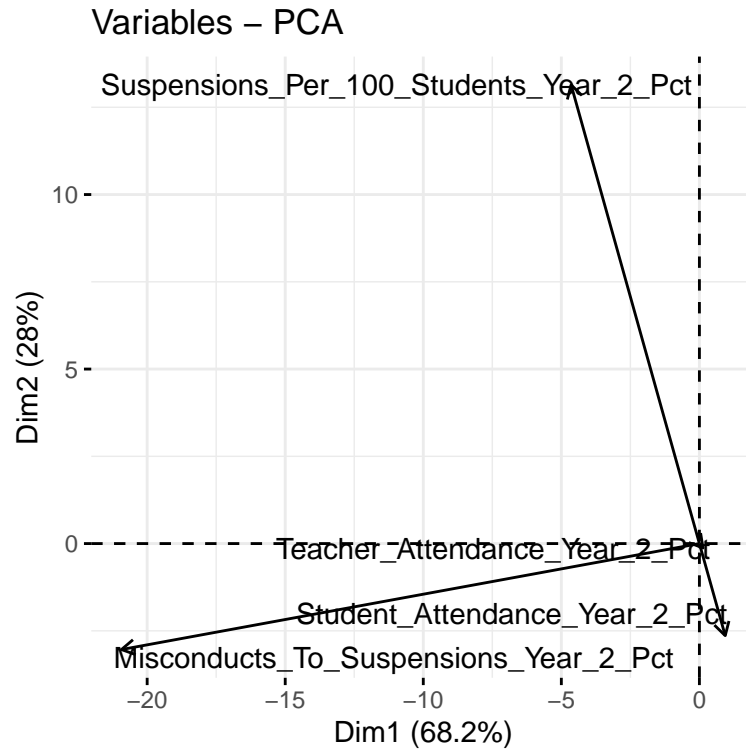Figure 5: Biplot of variables for post covid data's PCA

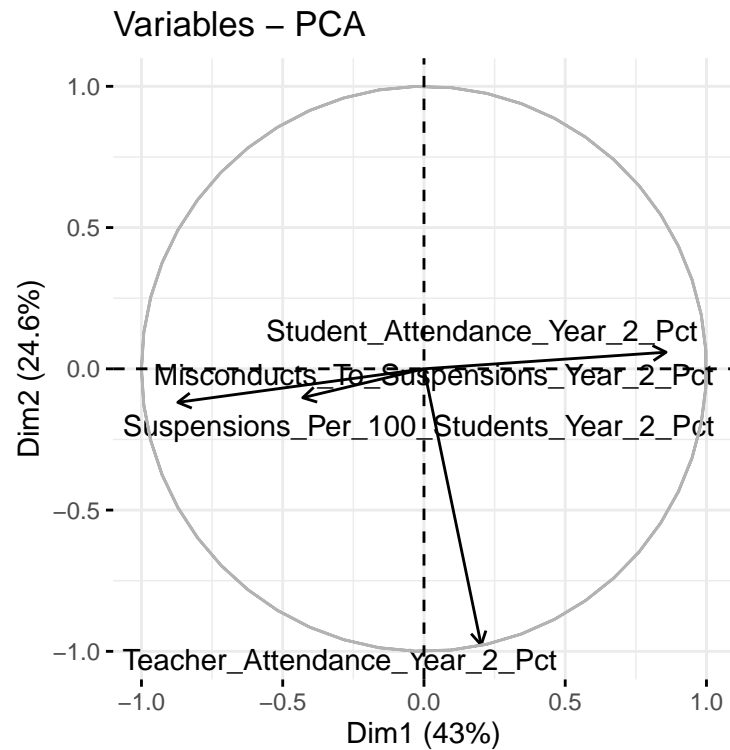Figure 6: Biplot of variables for all data's PCA

Figure 7: Biplot of variables for pre covid data's PCA when scaled by standard deviation
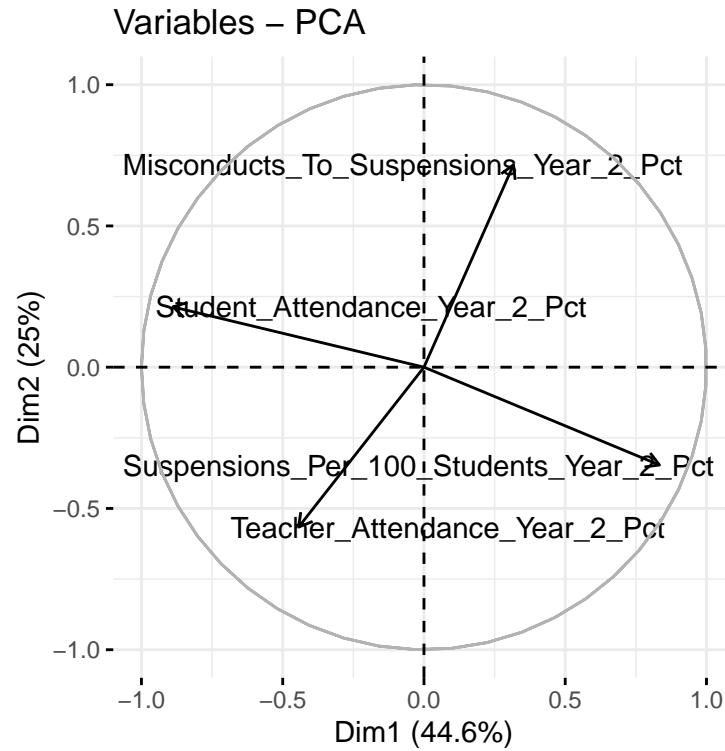
Figure 8: Biplot of variables for post covid data's PCA when scaled by standard deviation
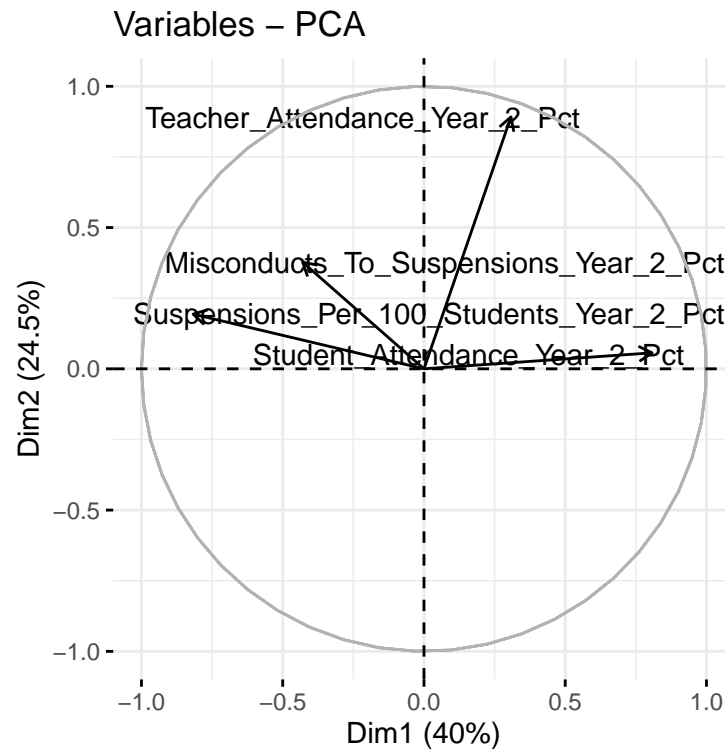

Figure 9: Biplot of variables for all data's PCA when scaled by standard deviation
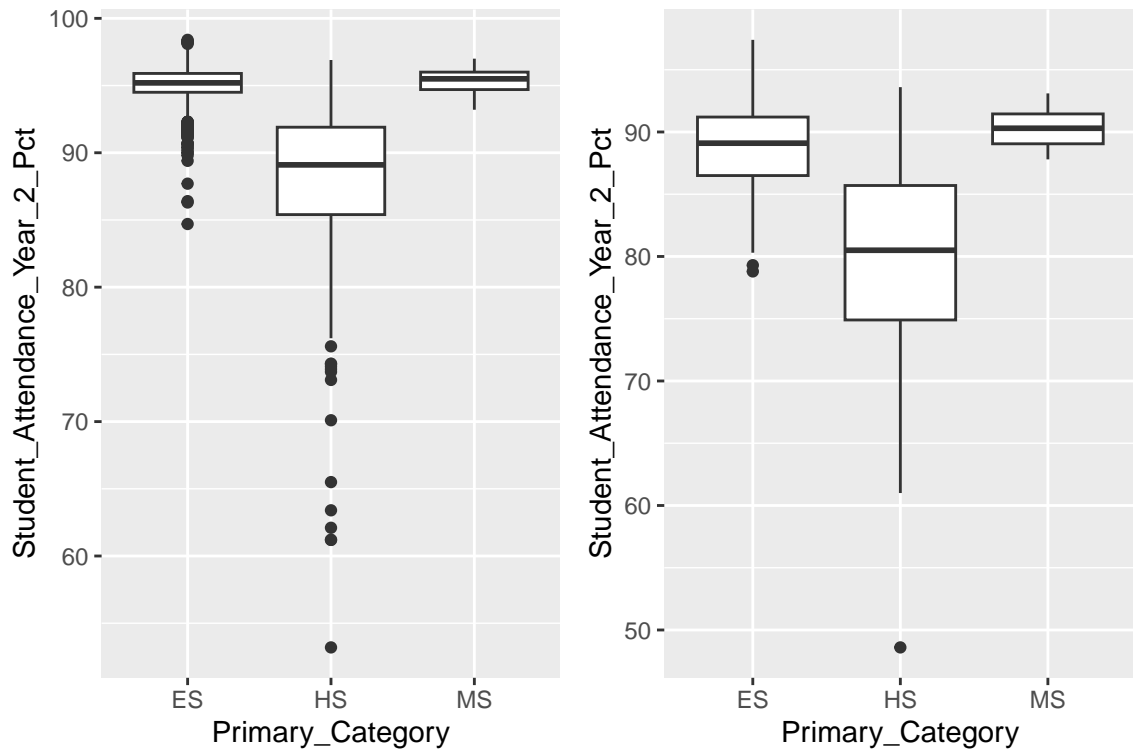
Figure 10: Box Plots of Student Attendance with pre covid on the left and post covid on the right
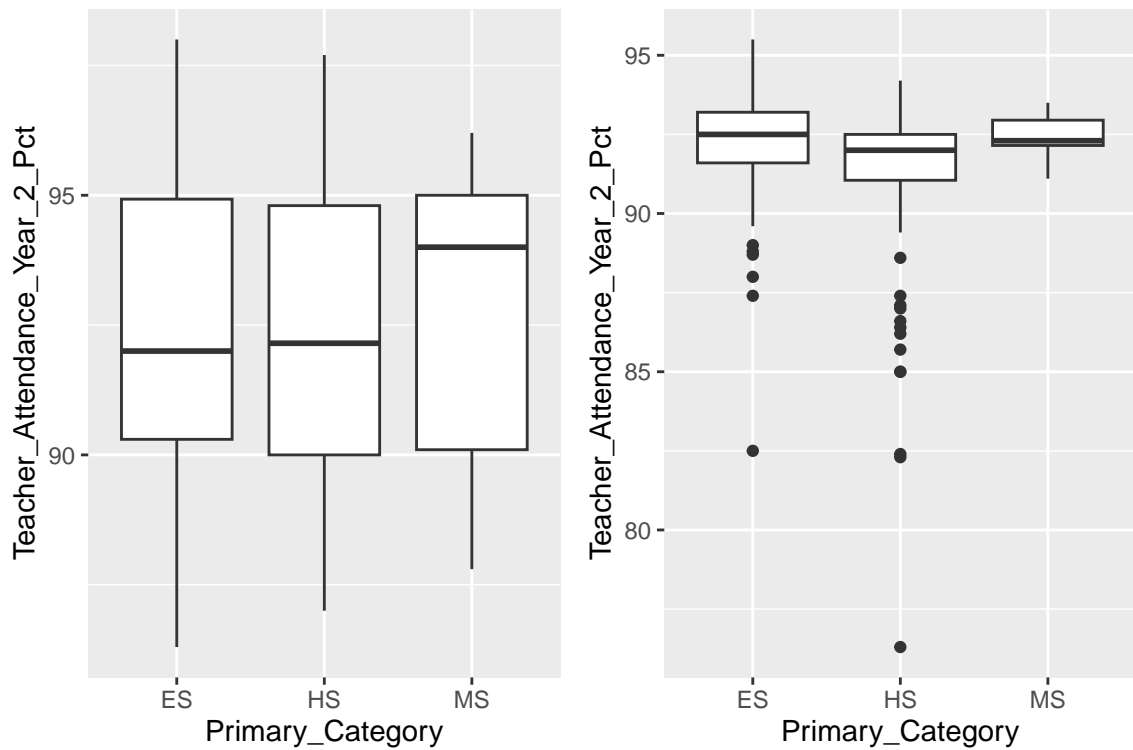

Figure 11: Box Plots of Teacher Attendance with pre covid on the left and post covid on the right
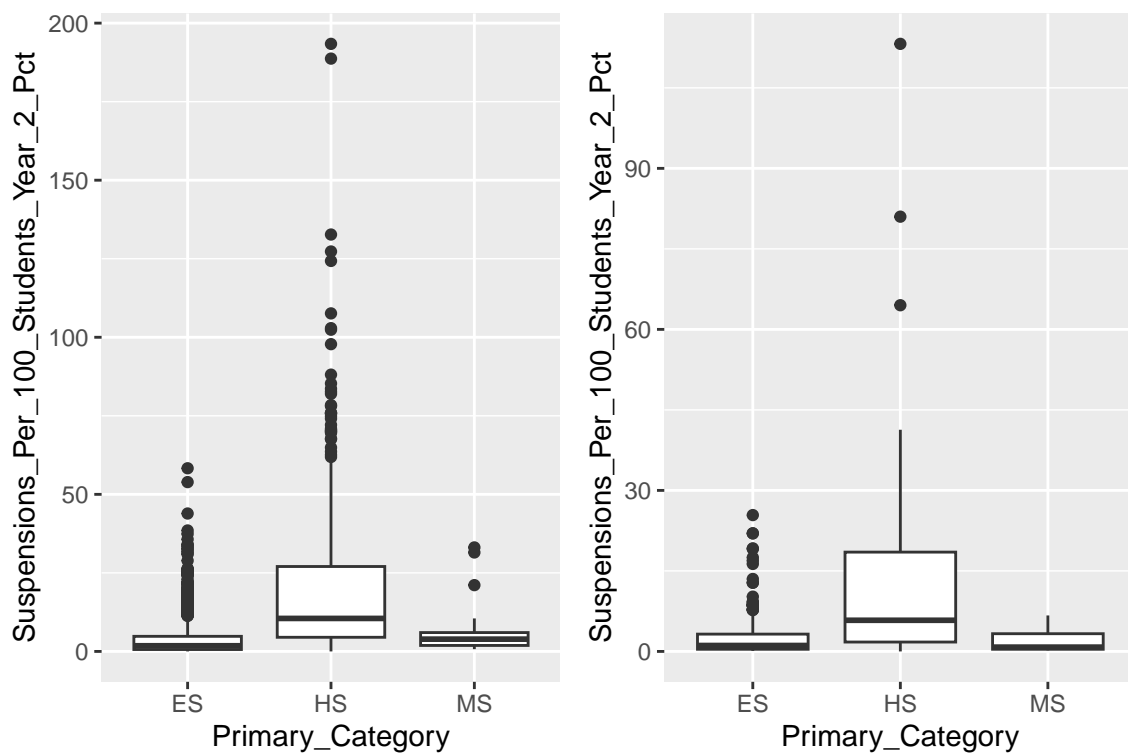
Figure 12: Box Plots of Suspensions with pre covid on the left and post covid on the right
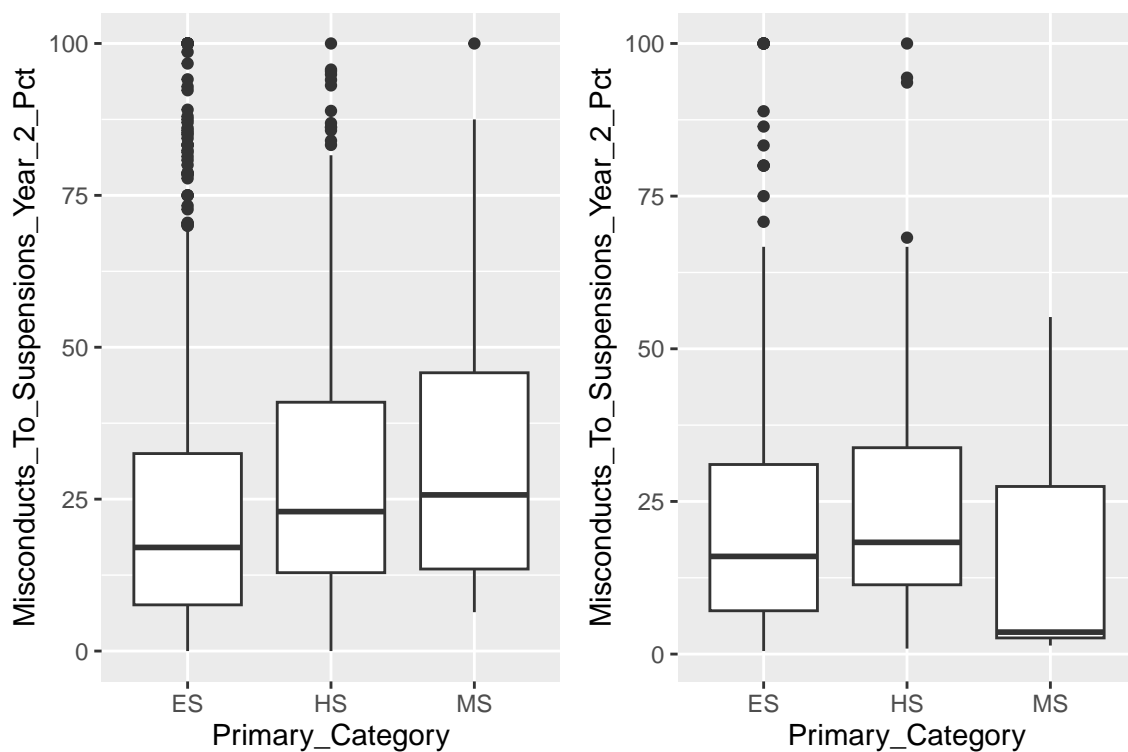

Figure 13: Box Plots of misconducts to suspensions with pre covid on the left and post covid on the right