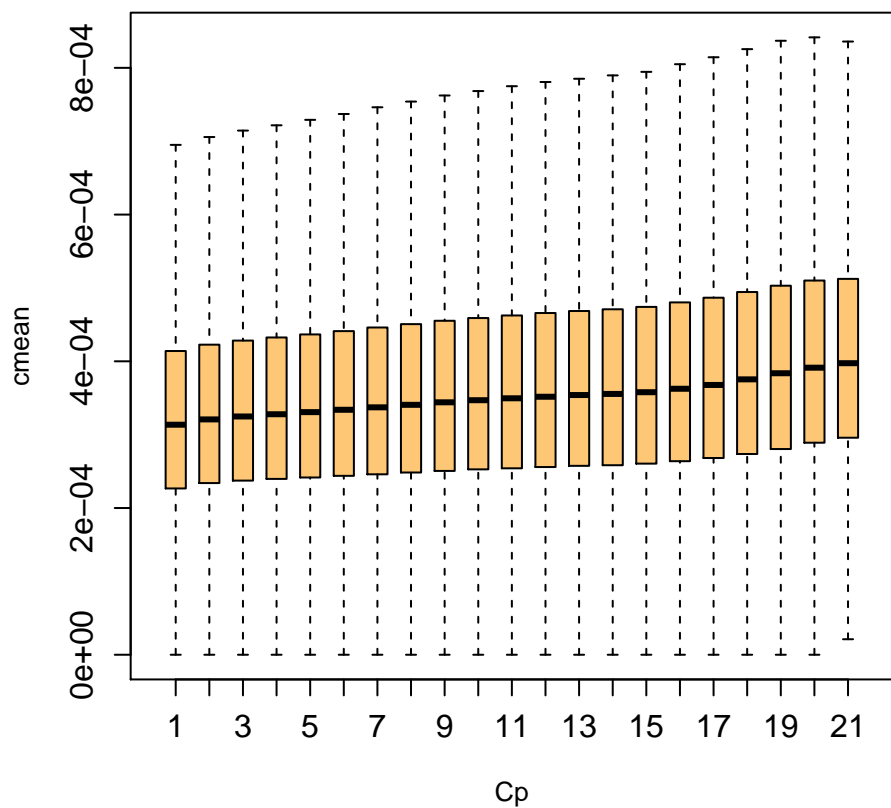
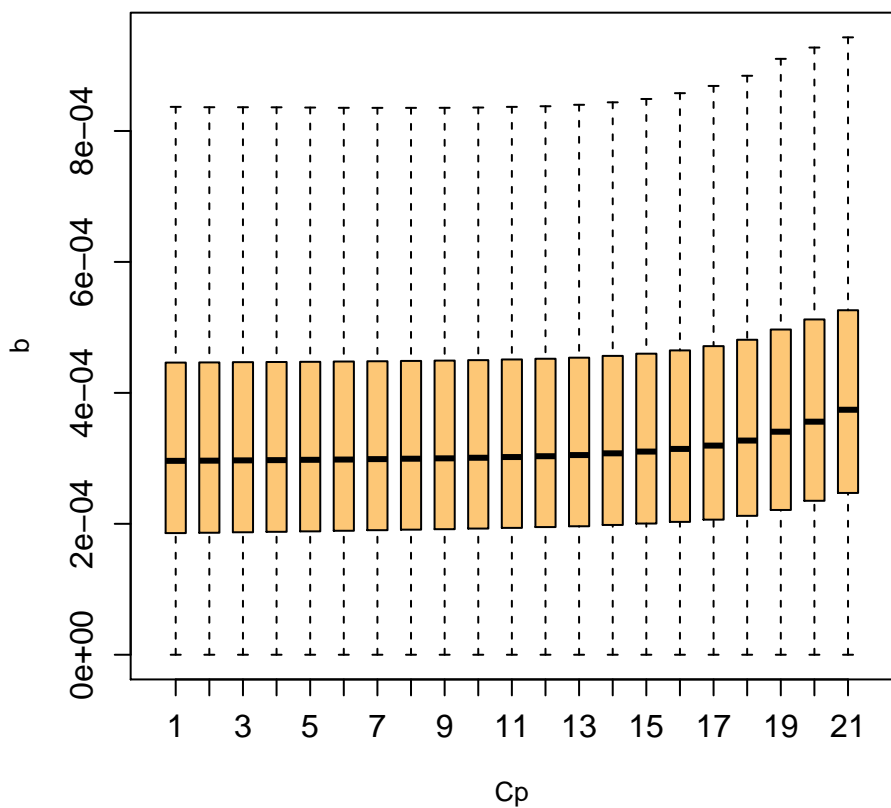


[illegible]

A box plot showing the distribution of the coefficient of determination (csd) for various values of the number of principal components (C_p). The x-axis represents C_p with values 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, and 21. The y-axis represents csd on a scale from $0e+00$ to $5e-04$. For each C_p , a box plot is shown with an orange box representing the interquartile range, a thick black horizontal line for the median, and dashed whiskers extending to the minimum and maximum values. As C_p increases, the median csd decreases, and the boxes become narrower, indicating that the model's performance becomes more stable and consistent as more principal components are included.