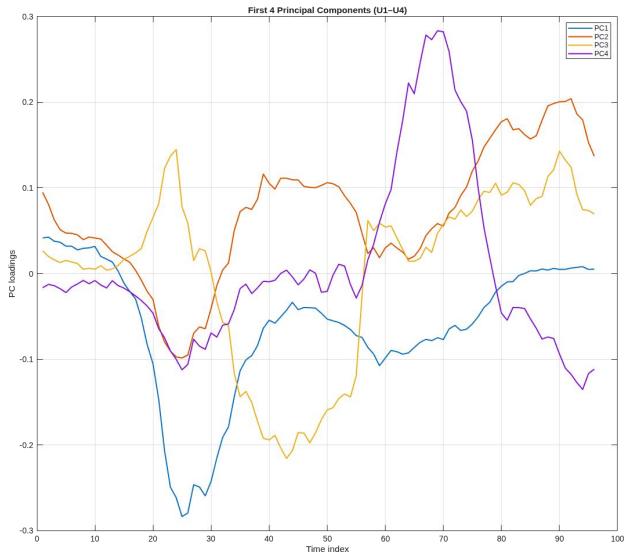
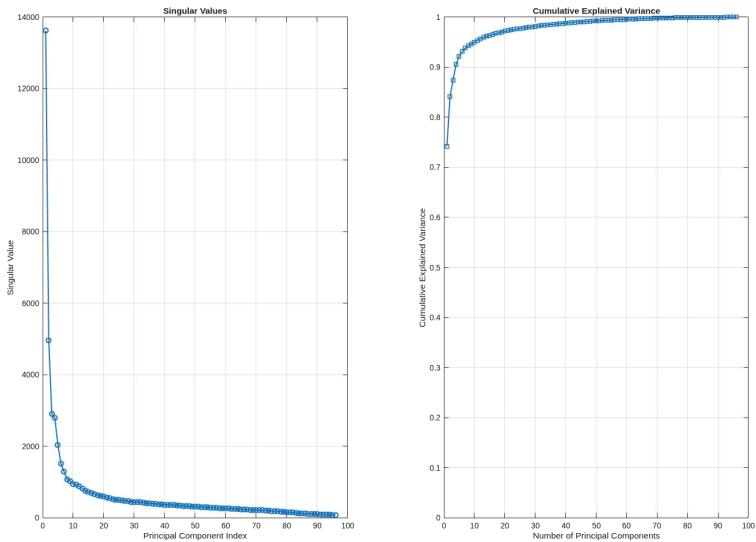


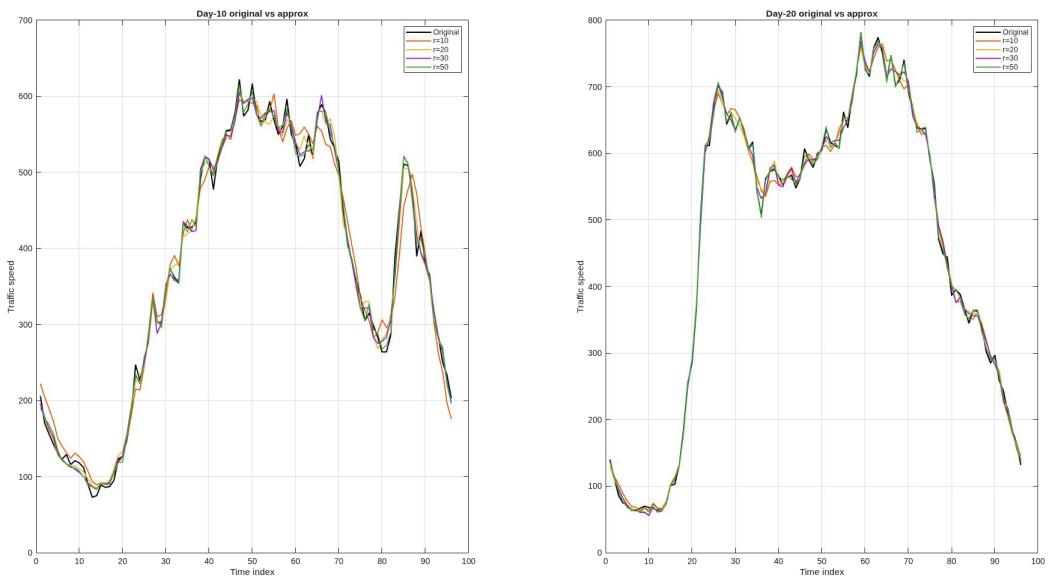
[1]



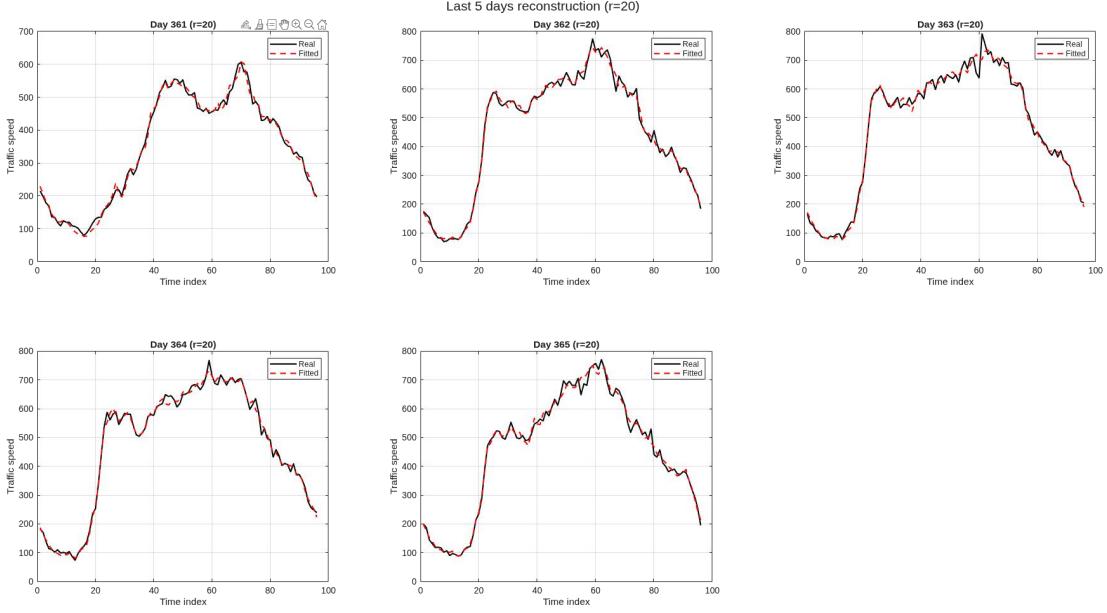
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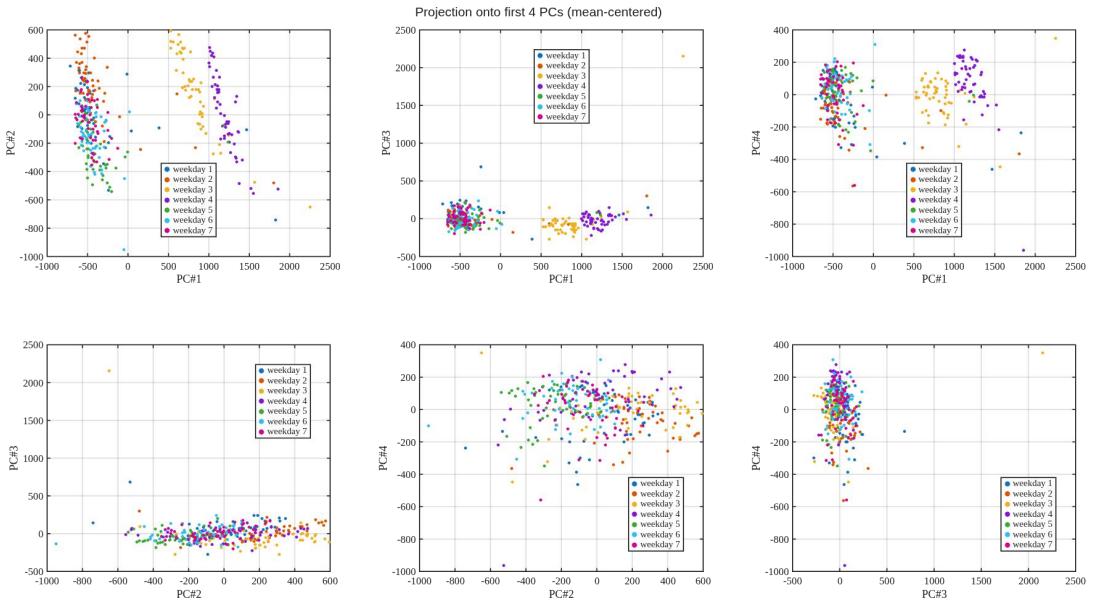
[3]



[4]

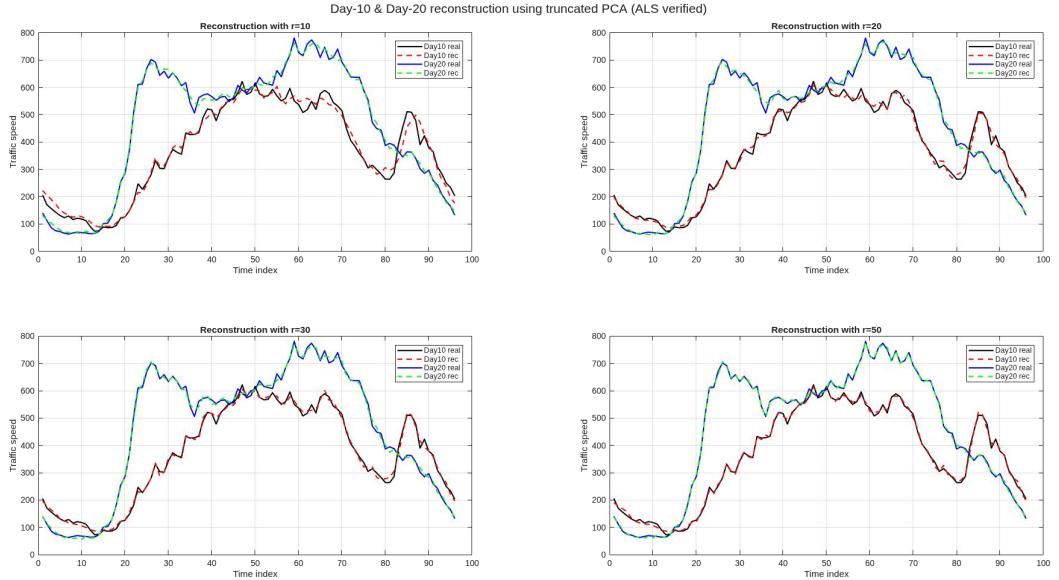


[5]



Days with higher overall traffic intensity (weekdays) have larger PC1 scores, while weekends (Saturday and Sunday) cluster toward lower PC1 values, reflecting reduced overall traffic demand. Weekdays, especially Monday to Friday, tend to have more negative PC2 scores, corresponding to stronger and more consistent morning/evening rush-hour peaks. Weekends exhibit more positive or scattered PC2 values, consistent with weaker or shifted peak patterns. The scatter plots of PC3 and PC4 show more detailed intra-day differences, with lower discrimination, but there are still some clustering trends of the weekday distribution.

[6]



From ALS, the angle between the coefficients found for complete data and data with missing values subspace =  $2.10e-15$  radians. The angle between the two spaces is substantially small. This indicates that these two results are similar.