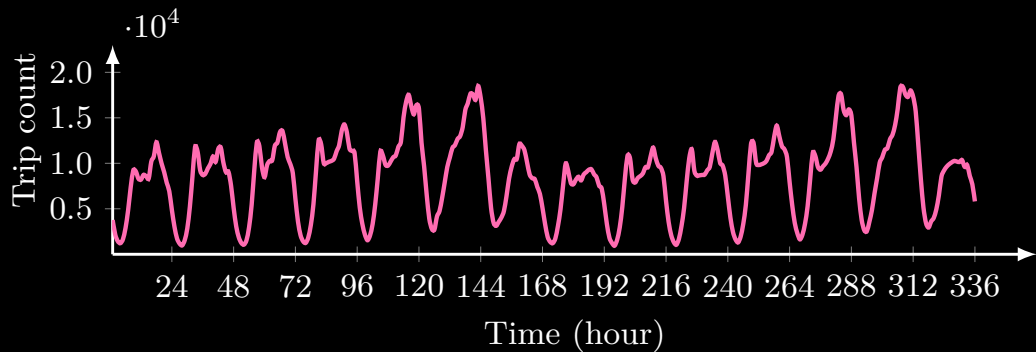


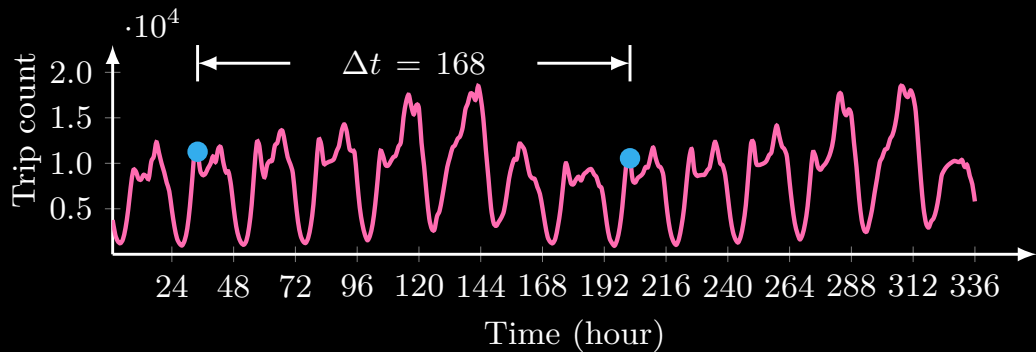
# Essential Ideas of Sparse Autoregression

Annotating Ridesharing Trip Time Series

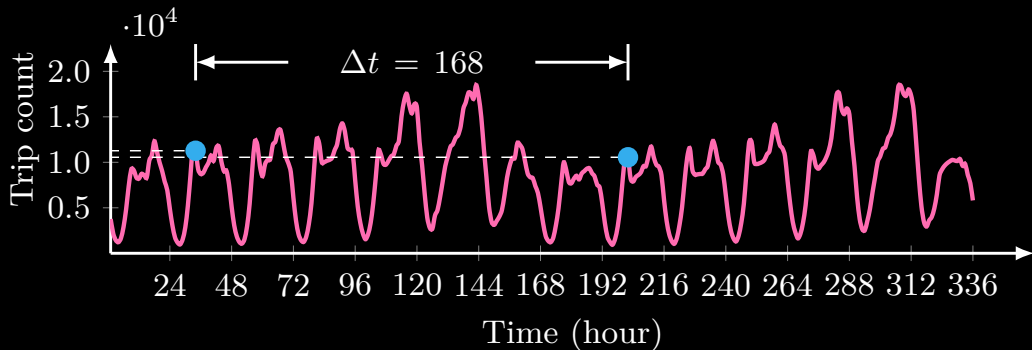
Xinyu Chen

March 11, 2025

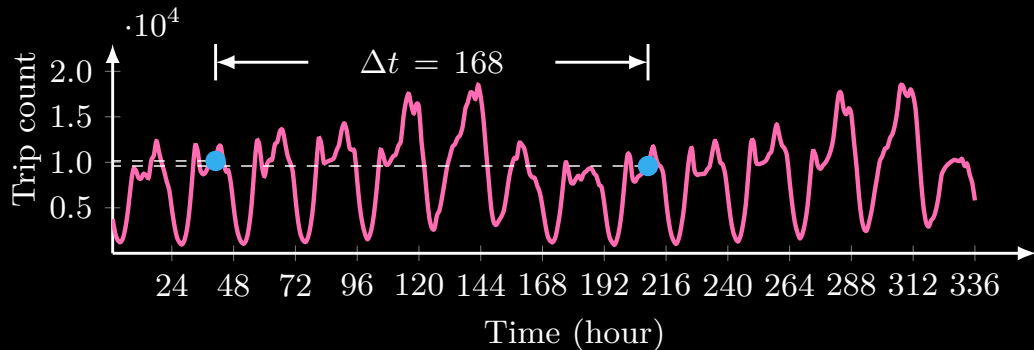




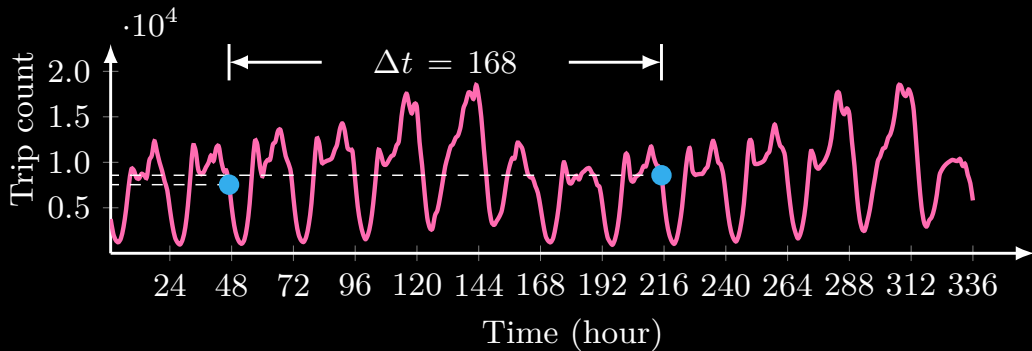
Weekly periodicity at  $t_0 = 34$



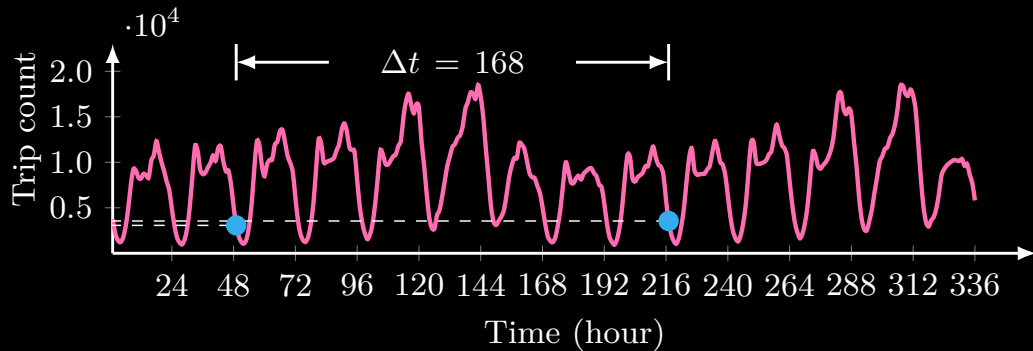
Weekly periodicity at  $t_0 = 41$



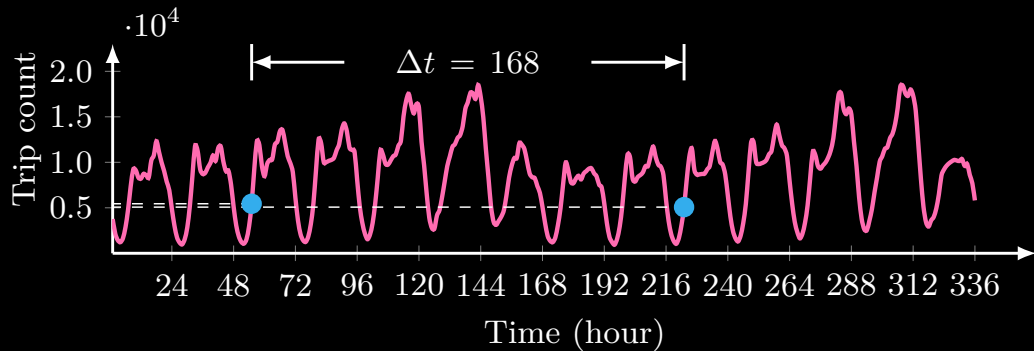
Weekly periodicity at  $t_0 = 47$



Weekly periodicity at  $t_0 = 49$



Weekly periodicity at  $t_0 = 55$





# Essential Ideas of Sparse Autoregression

More Information:

- Homepage: <https://xinychen.github.io>
- MIT sites: <https://sites.mit.edu/xinychen>
- How to reach me: [chenxy346@gmail.com](mailto:chenxy346@gmail.com)