

## Data Appendix

### Cleaned Data:

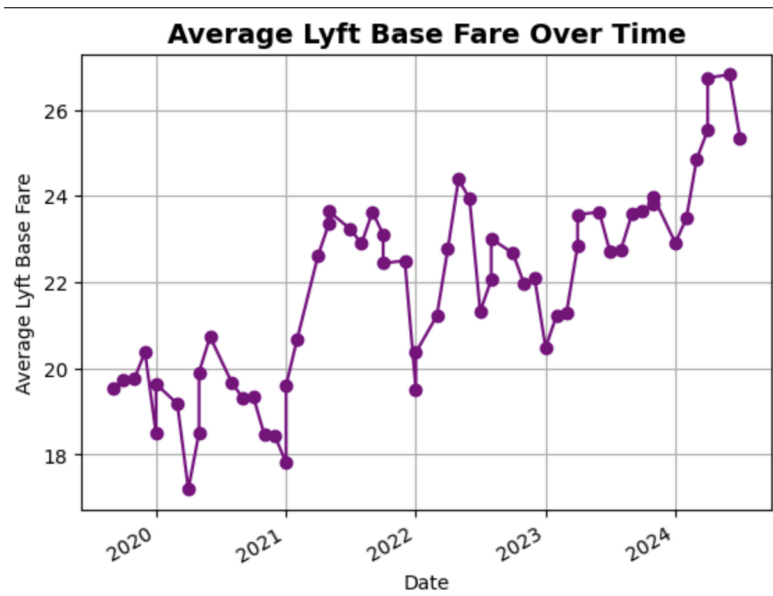
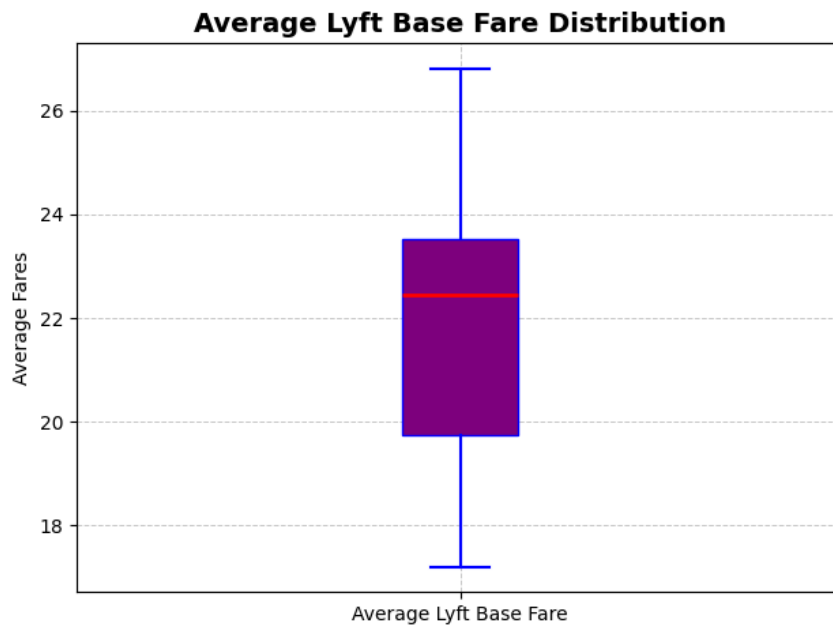
- Unit of Observation: Month

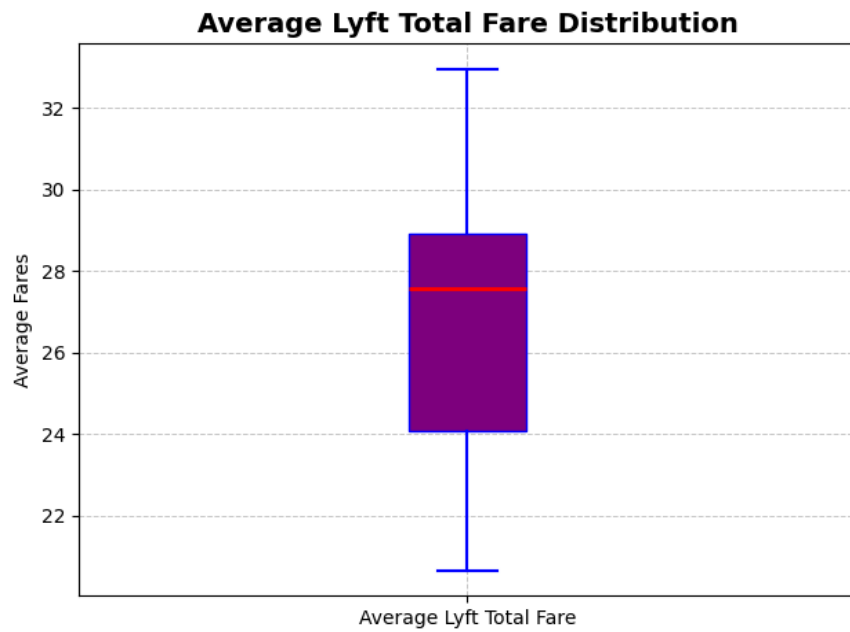
Variable	Description	Response
Month	Month rides were ordered through each car service	Timestamp
Year	Year rides were ordered through each car service	Timestamp
Average Uber Total Fare	Average of the sum of Uber base fare, surcharge, airport fare, tip, and sales tax for rides in the month	Numeric
Average Lyft Total Fare	Average of the sum of Lyft base fare, surcharge, airport fare, tip, and sales tax for rides in the month	Numeric
Average Uber Base Fare	Monthly average Uber base passenger fare before tolls, tips, taxes, and fees	Numeric
Average Lyft Base Fare	Monthly average Lyft base passenger fare before tolls, tips, taxes, and fees	Numeric

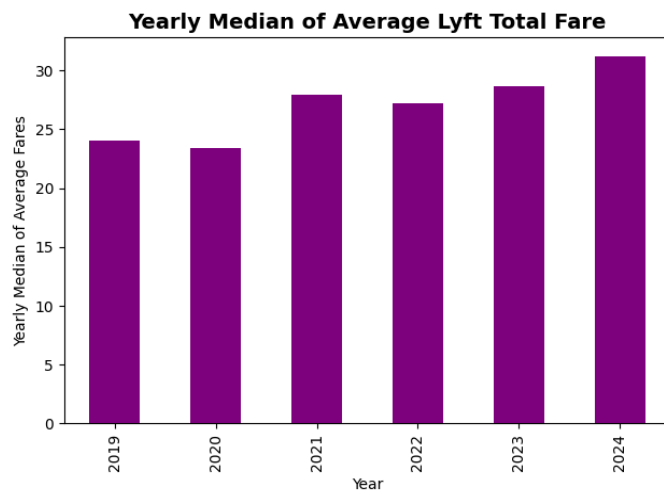
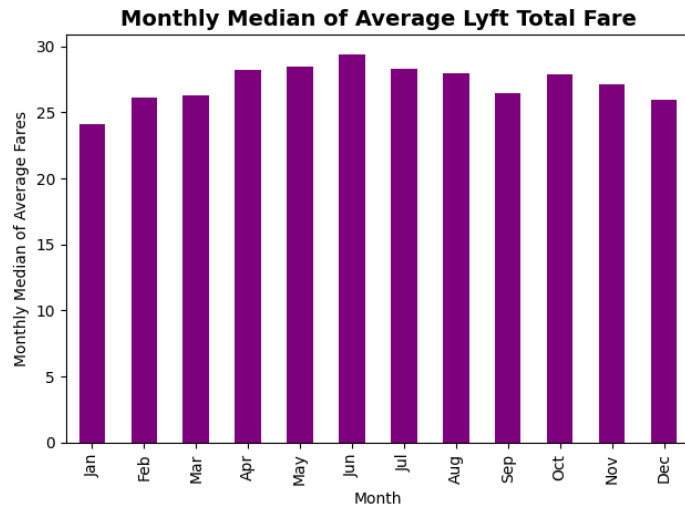
## Data Analysis

Unit of observation: Month and Year

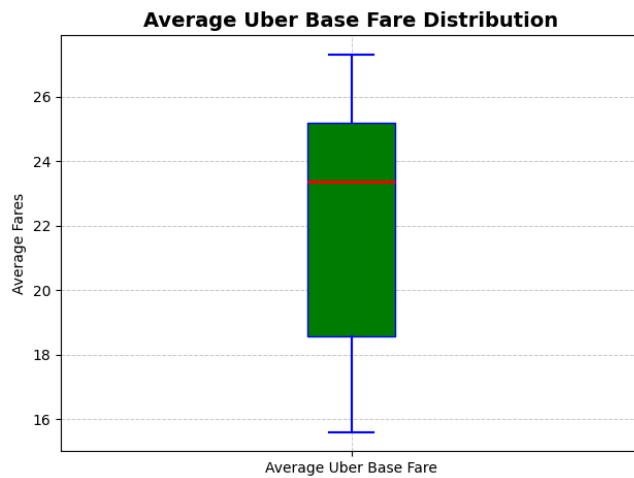
Lyft Data:

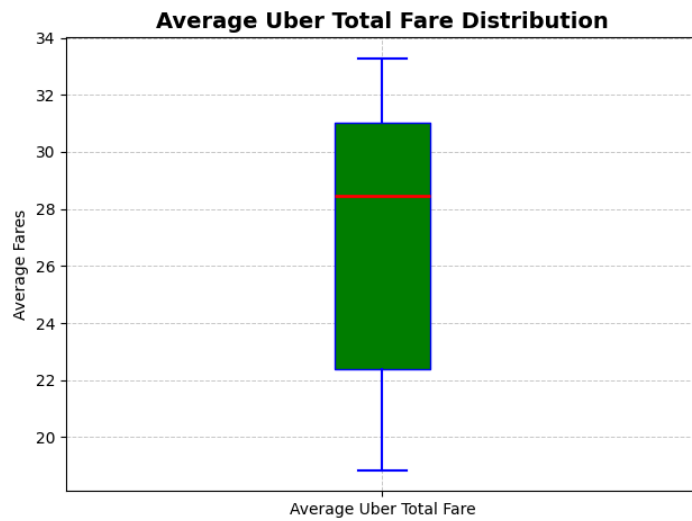
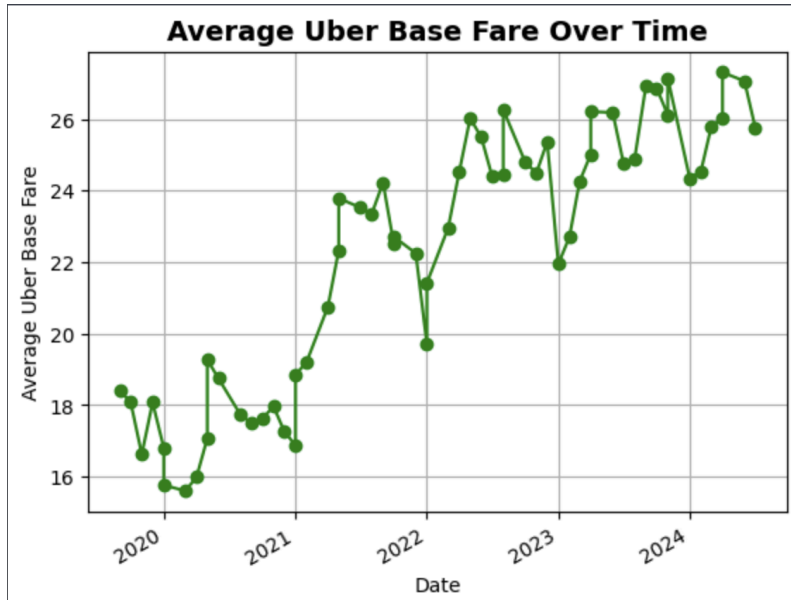


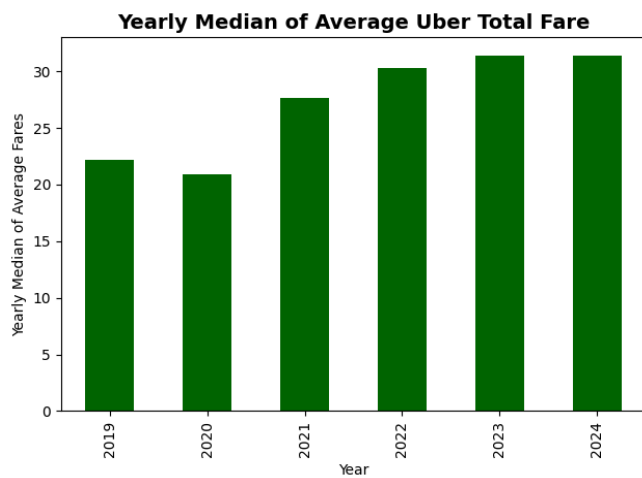
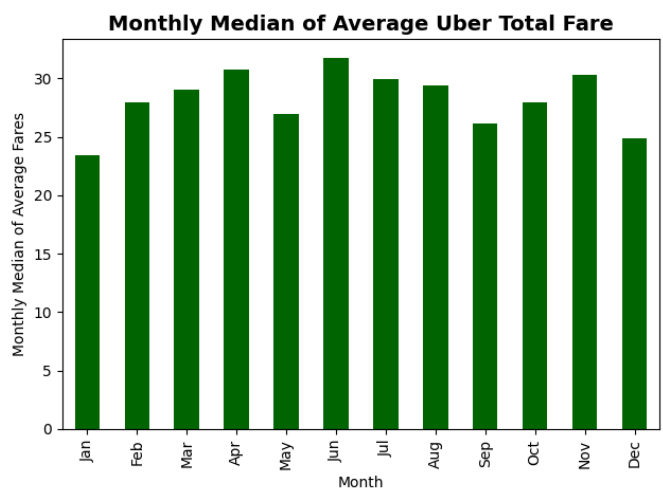
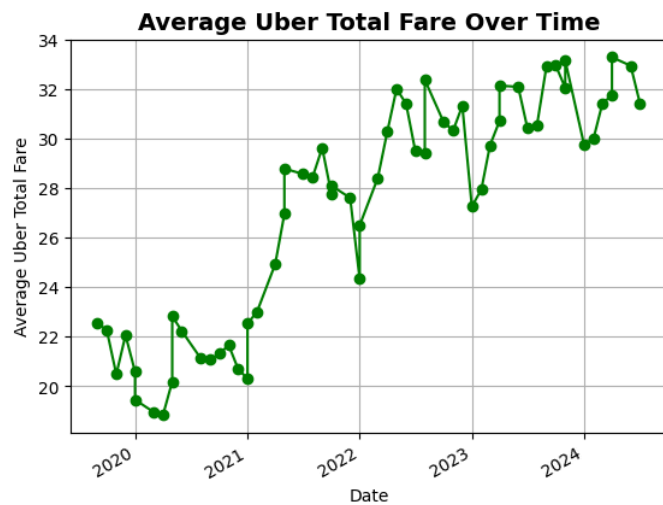


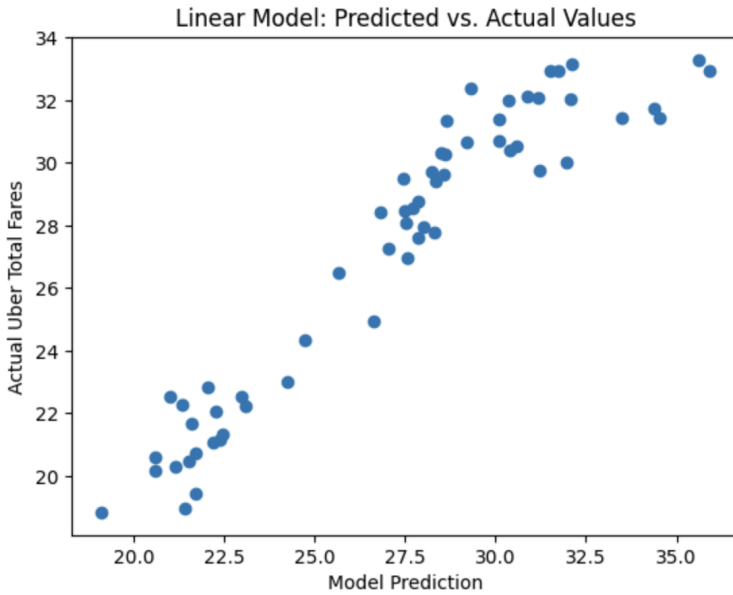


Uber:









Results: Ordinary least squares

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=====
Model:                OLS                Adj. R-squared:    0.898
Dependent Variable: y                AIC:                215.8644
Date:                2024-10-26 01:47    BIC:                222.0970
No. Observations:    59                Log-Likelihood:    -104.93
Df Model:            2                F-statistic:       256.5
Df Residuals:        56                Prob (F-statistic): 6.40e-29
R-squared:            0.902            Scale:             2.1626
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	Coef.	Std.Err.	t	P> t	[0.025	0.975]
const	-2909.3245	461.7923	-6.3001	0.0000	-3834.4055	-1984.2434
x1	0.8767	0.1142	7.6784	0.0000	0.6479	1.1054
x2	0.0039	0.0006	6.2743	0.0000	0.0027	0.0052

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Omnibus:            1.803                Durbin-Watson:       0.535
Prob(Omnibus):      0.406                Jarque-Bera (JB):    1.596
Skew:               -0.272                Prob(JB):            0.450
Kurtosis:           2.406                Condition No.:      1780500717
=====
```

Notes:

- [1] Standard Errors assume that the covariance matrix of the errors is correctly specified.
- [2] The condition number is large, 1.78e+09. This might indicate that there are strong multicollinearity or other numerical problems.