

📍 Modeling: Optimal Locations for a Food Truck

Student Data Sheet

Summary Table for data related to food trucks in Washington DC. Note that the data are estimates, typically based on information collected prior to 2020.

	Sites	Distance Petworth (miles)	Distance Mayfair (miles)	Pop	Density (pop per sq mile)	Income (med)	Workers-visitors/ week day	# Metro fares week day (avg)	#Metro fares weekend day (avg)	# Hotels within 2.5 blocks	Food trucks	Truck Parking costs per month*
1	Dupont Circle	3.3	8.4	7836	32730	105000	75000	18573	3550	7	12	\$440 (\$2.30/hr, 6 hrs day for 30 days)
2	Farragut Square	3.2	7.8	1838	15959	102705	90000	45514	4700	7	17	*\$175
3	Federal Triangle	3.5	6.8	1971	629	36000	20000	7381	1120	6	10	\$440 (\$2.30/hr, 6 hrs day for 30 days)
4	Foggy Bottom	5	8.7	7346	31939	30000	18890	20121	3400	6	10	*\$175
5	L'Enfant Plaza	6.3	6.1	5124	7219	44000	30000	19343	2550	4	19	*\$175
6	Mall	4.2	7.2	1482	473	41000	18789	7149	3250	0	17	\$120 (\$2/3 hr, for 6 hrs a day)
7	Metro Center	3.2	7.2	3013	5380	36000	50000	24330	4150	6	13	*\$175
8	Navy Yard	6.9	4.6	3623	5327	10000	6930	6843	2750	2	5	*\$175
9	Union Station	4.7	3.9	6291	12260	53500	100000	29371	4050	2	14	*\$175
10	The Wharf	4.7	7.2	6266	10620	45000	9698	4008	1160	3	8	**\$250
11	Woodley Park Zoo	2.6	11.4	8936	5467	65000	4931	5861	2100	2	9	**\$250

*Lottery \$25 per month to enter; \$150 a month fee

** Assume lot parking, \$250 month avg.

Street parking metered, \$2.30 an hour with exception of the Mall, \$2.00/3 hrs.

Metro data collected Feb 2016 AND <https://www.wmata.com/initiatives/ridership-portal/Rail-Data-Portal.cfm>
<http://vn4.cs.fiu.edu/cgi-bin/gnis.cgi?Lat=38.92470845896335&Long=-77.05070299938015&vid=> pop, density, med income
<https://silo.tips/download/washington-dc-s-lottery-rotation-system-for-food-trucks-a-step-in-the-right-dire>
<https://www.census.gov/geographies/reference-files/2010/geo/state-local-geo-guides-2010/districtofcolumbia.html>