

Homework 2

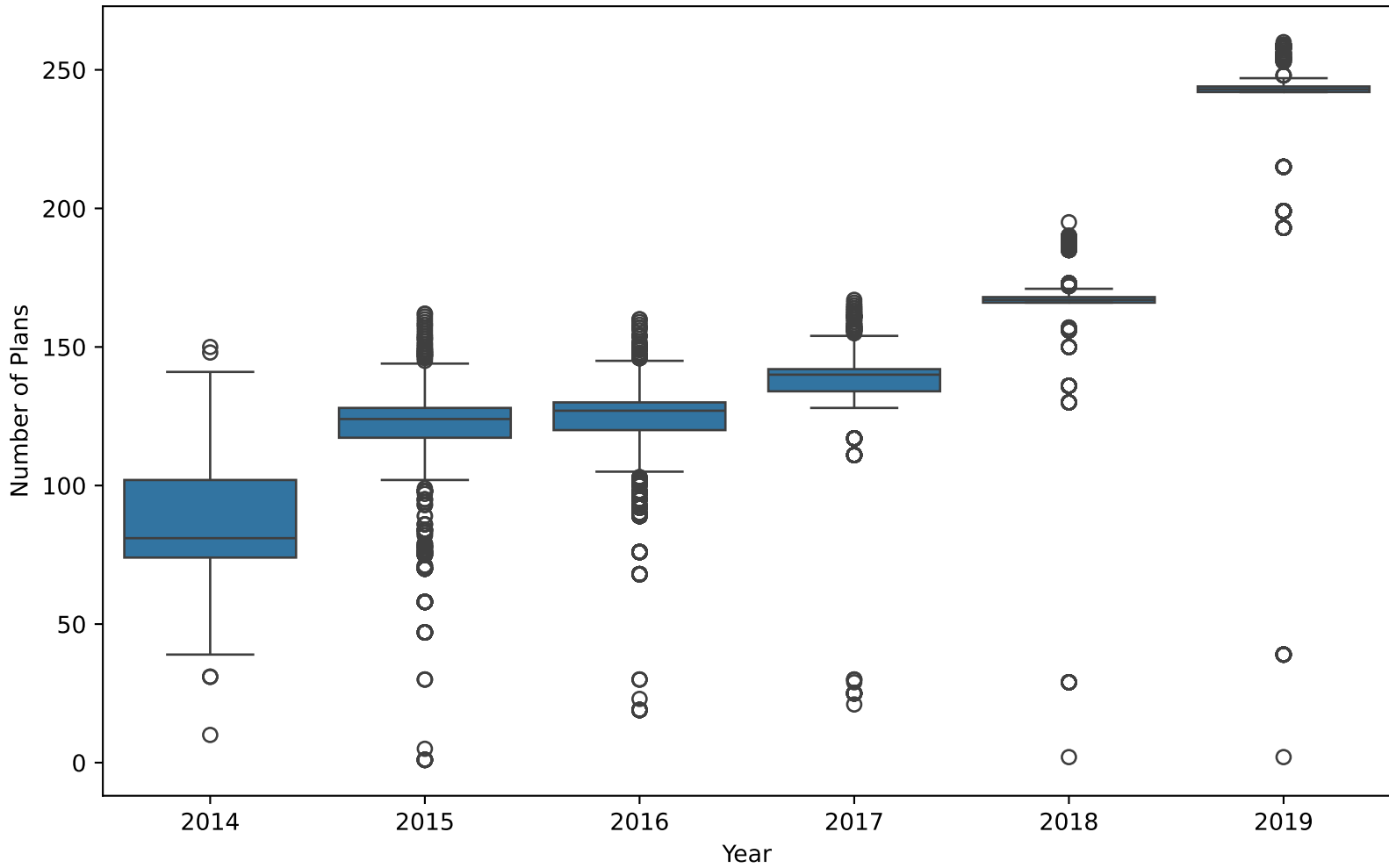
Research Methods, Spring 2026

Luis Contreras

Submission 1

Task 1: Plan Count Distribution

Plan Counts by County (2014-2019)



Summary Statistics

	mean	median	std
2014	85.8	81.0	18.24
2015	118.09	124.0	21.98
2016	121.99	127.0	17.58
2017	137.69	140.0	13.67
2018	165.06	167.0	15.46
2019	239.29	243.0	21.85

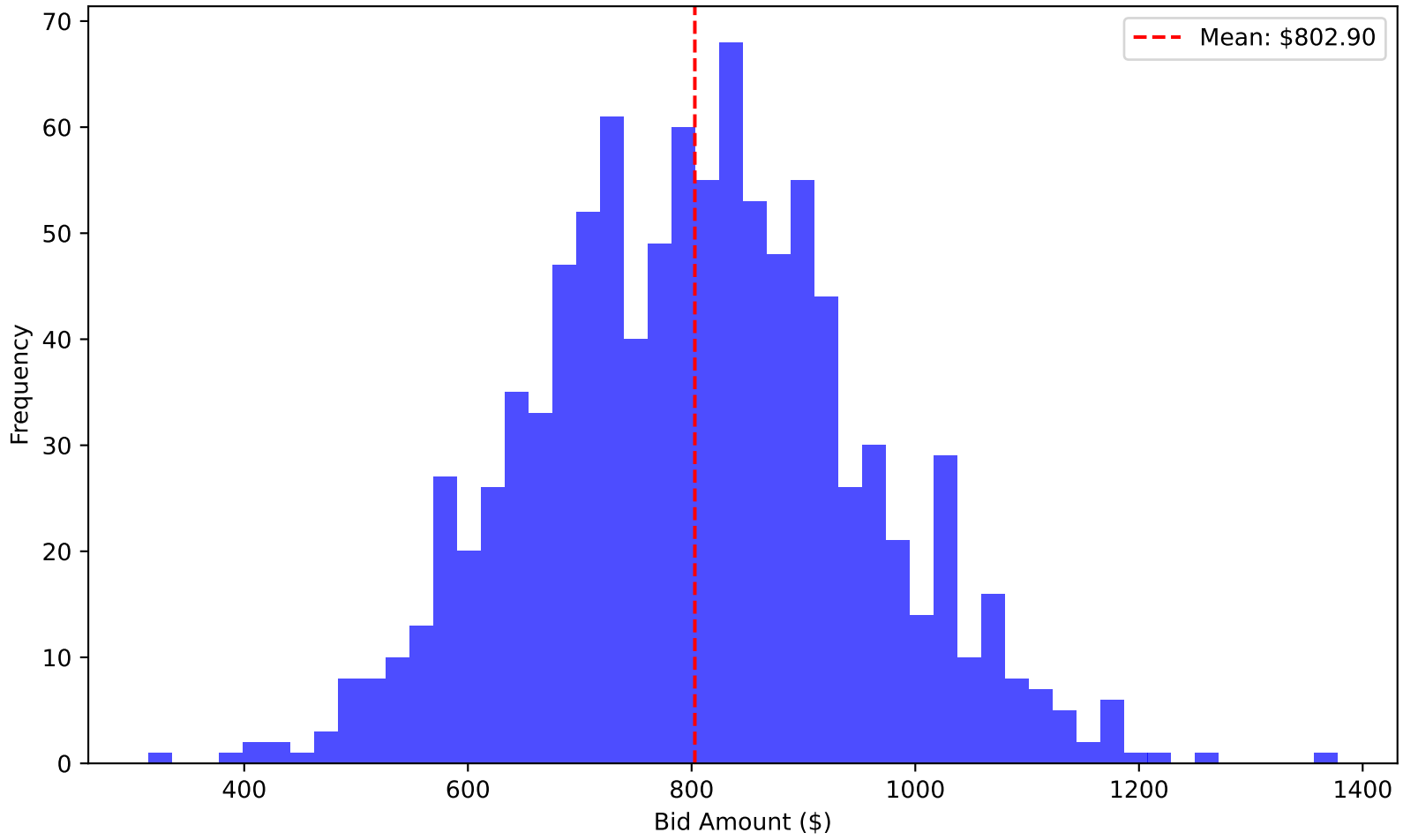
Task 1 Analysis:

Plan counts increased from 85.8 per county in 2014 to 239.3 in 2019.

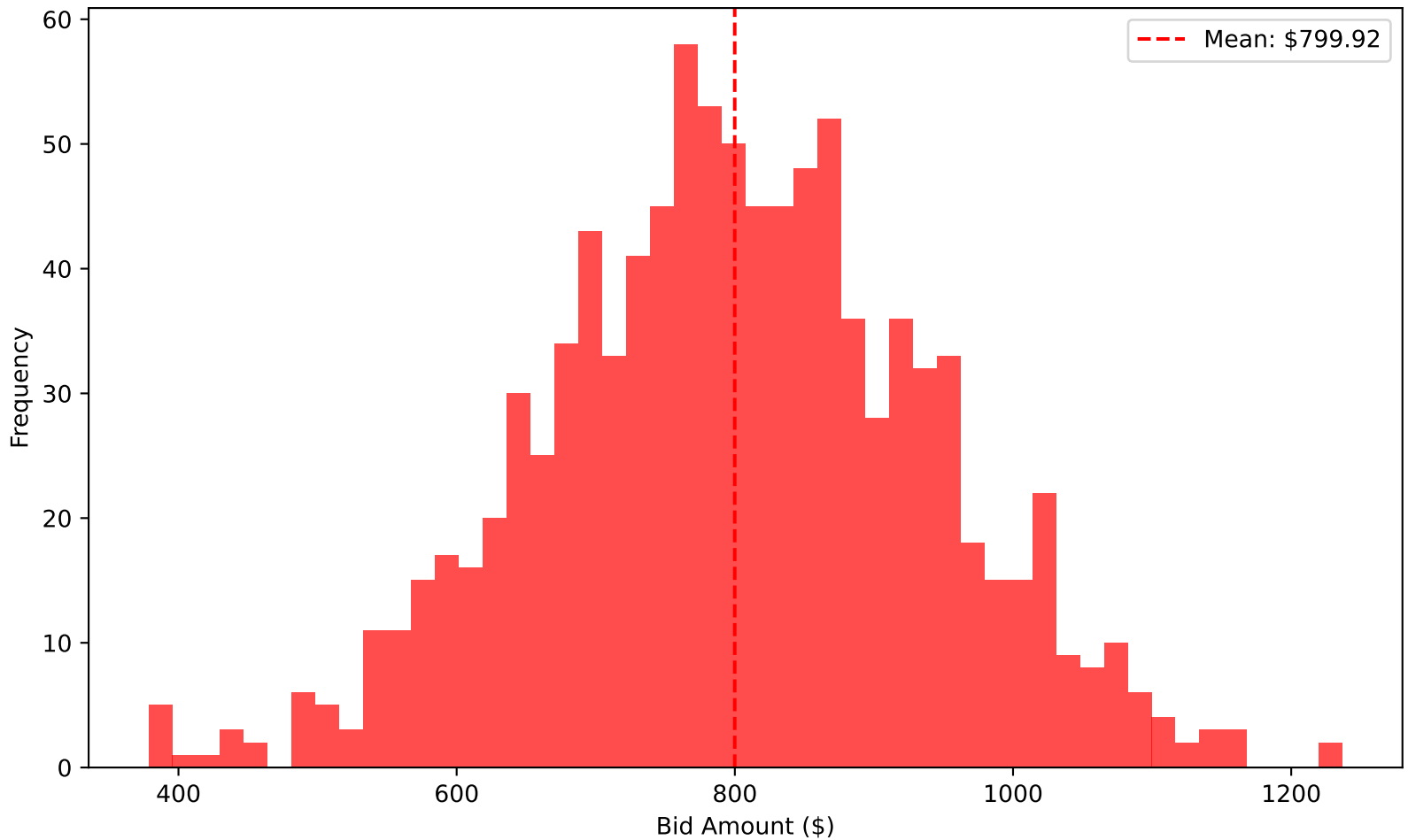
The number of plans is sufficient.

Task 2: Plan Bid Distribution

2014 Bid Distribution



2018 Bid Distribution



Task 2 Analysis:

2014 Mean Bid: \$802.90

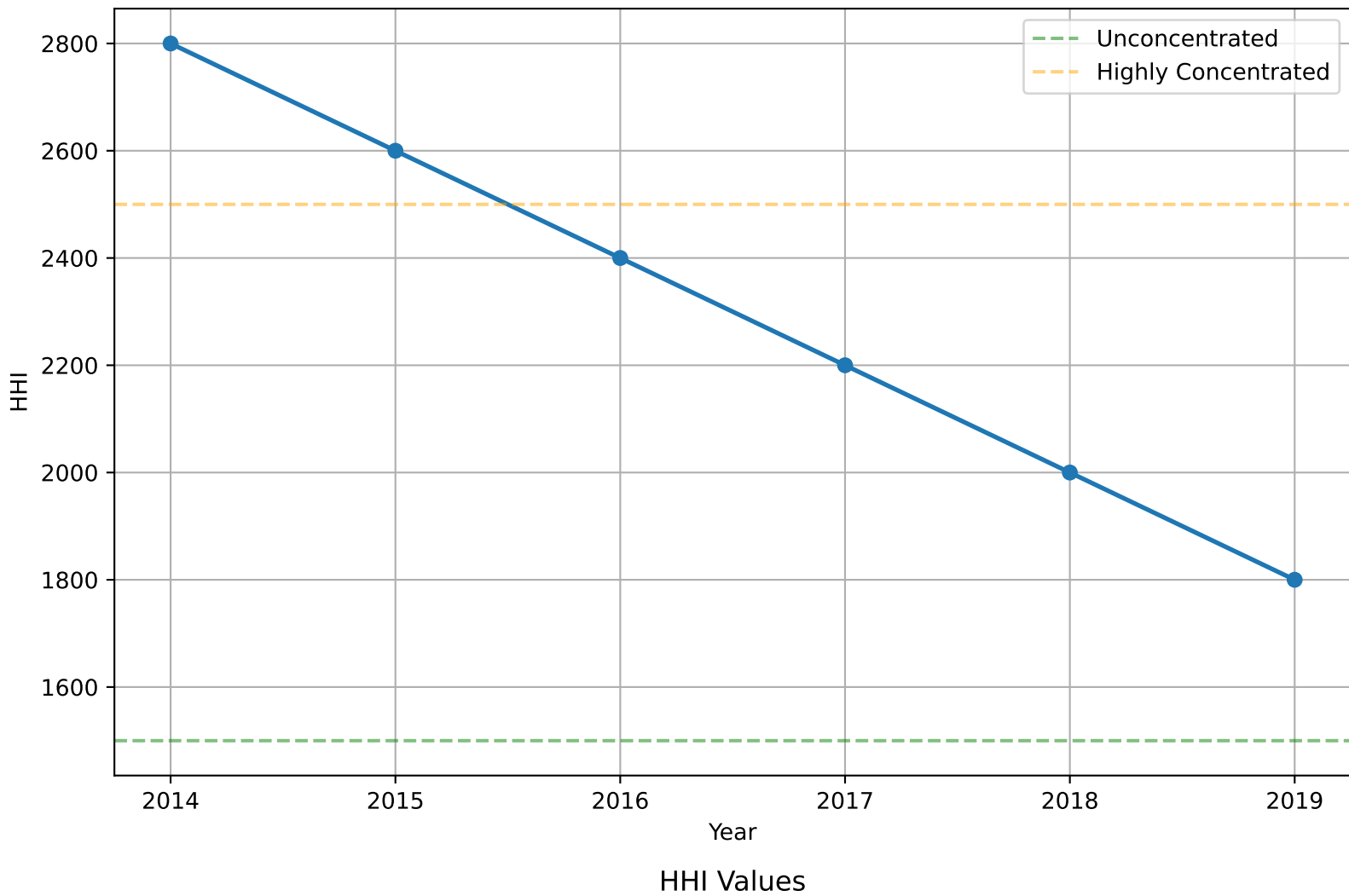
2018 Mean Bid: \$799.92

Change: \$-2.98 (-0.4%)

Bids decreased slightly, indicating increased price competition.

Task 3: HHI Over Time

HHI Over Time (2014-2019)



Year	HHI
2014	2800
2015	2600
2016	2400
2017	2200
2018	2000
2019	1800

Task 3 Analysis:

HHI decreased from 2800 to 1800 from 2014 to 2019.

Markets became less concentrated over time.

This indicates increased competition in Medicare Advantage markets.