

# Data Investigations

December 2023

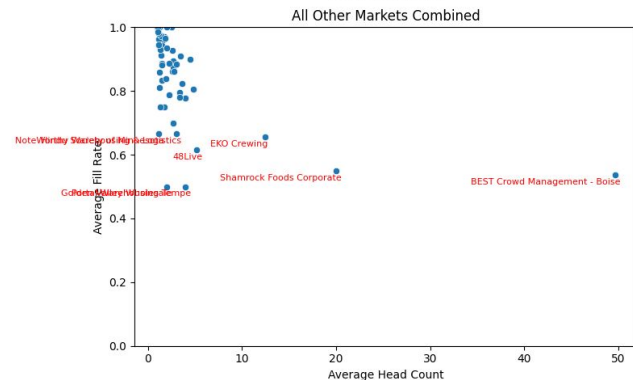
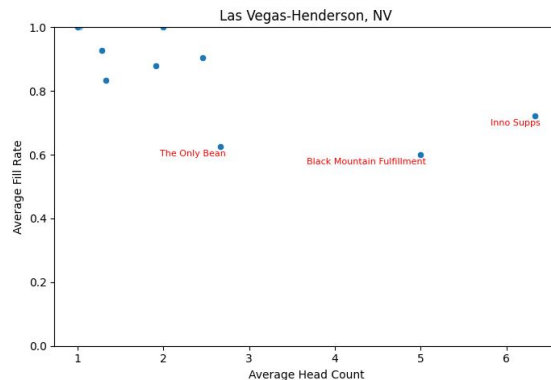
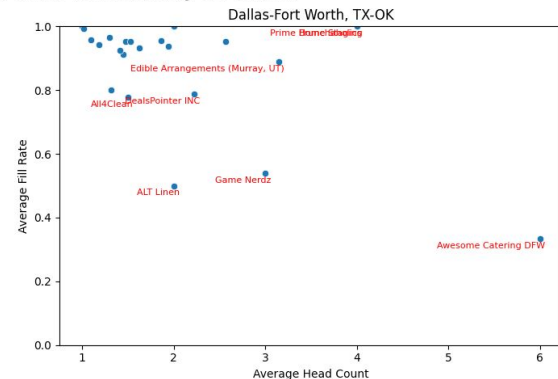
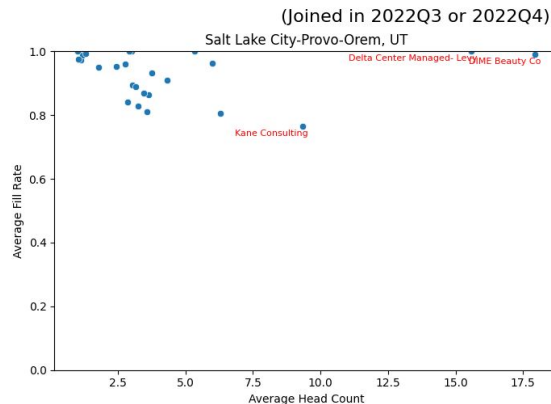
Average Headcount

## vs. Fill Rate | 2022Q3/Q4

Average headcount vs fill rate for companies that joined in Q3\* or Q4\* of 2022 divided by market. Outliers\*\* labeled.

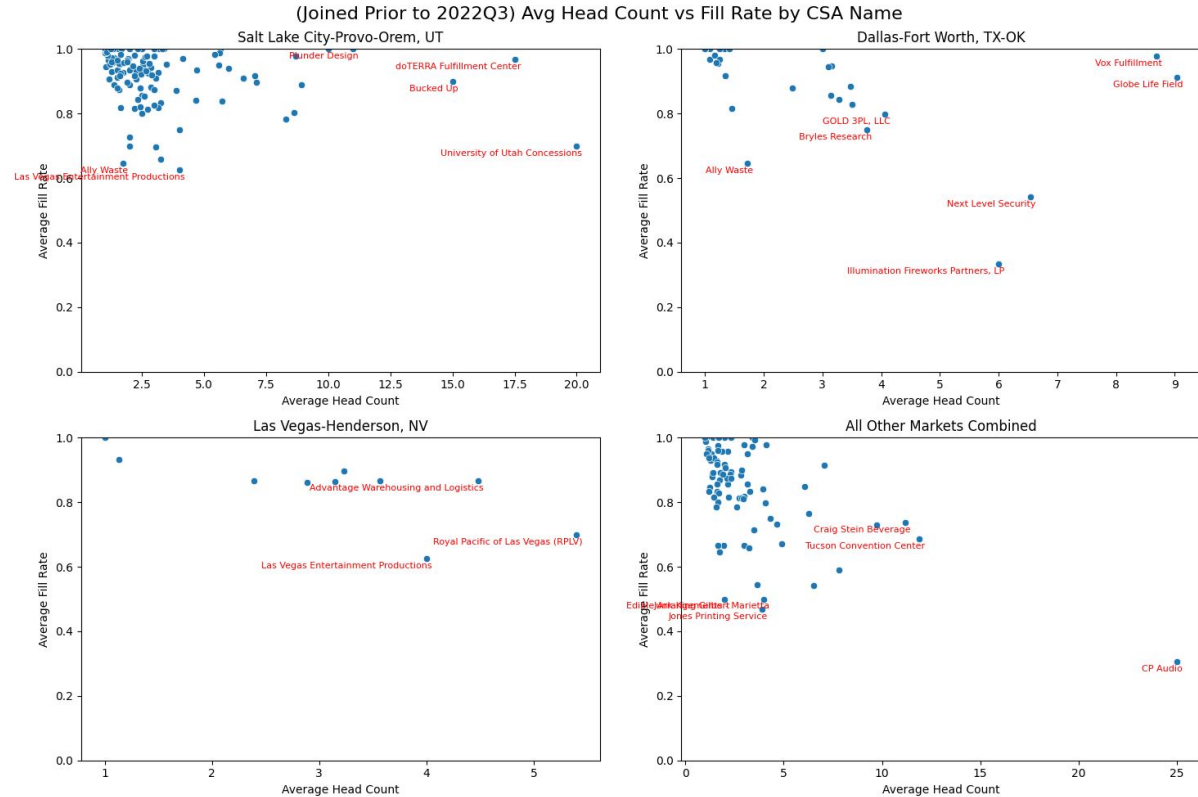
\*We are looking at companies that joined in Q3/Q4 of 2022 compared to previous to Q3 of 2022 because we want to separate old and new companies and therefore chose 2022 Q3 as a relatively arbitrary cutoff.

\*\*I am not using a statistical definition of outlier in this sense, just labeling the points that are far enough away from other points to be labeled with minimal crossover.



## vs. Fill Rate | <2022Q3

Average headcount vs fill rate for companies that joined earlier than Q3 of 2022 divided by market. Outliers labeled.

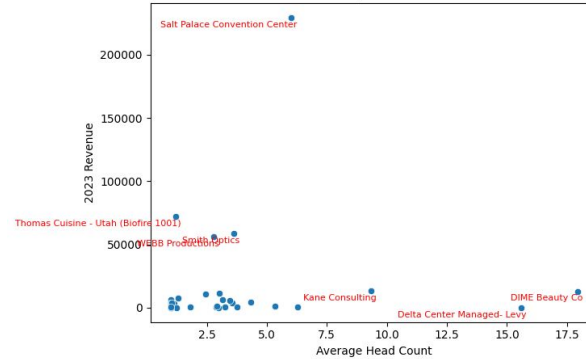


# vs. Revenue | 2022Q3/Q4

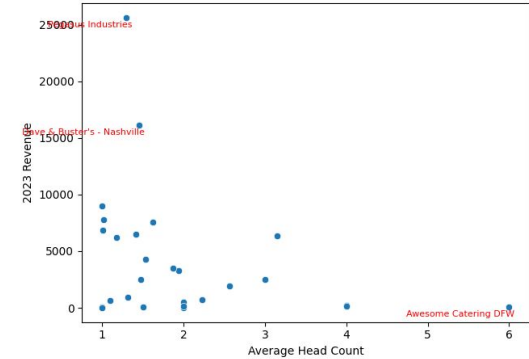
Average headcount vs total net commissionable revenue in 2023 for companies that joined in Q3 or Q4 of 2022 divided by market. Outliers labeled.

(Joined in 2022Q3 or 2022Q4) Avg Head Count vs 2023 Revenue by CSA Name

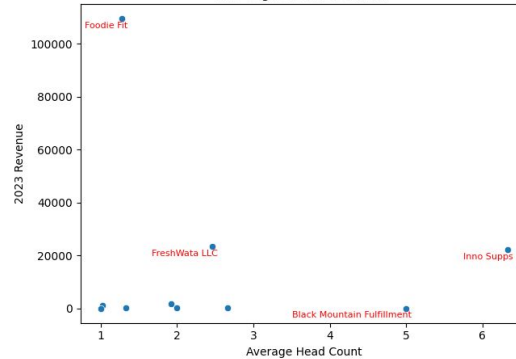
Salt Lake City-Provo-Orem, UT



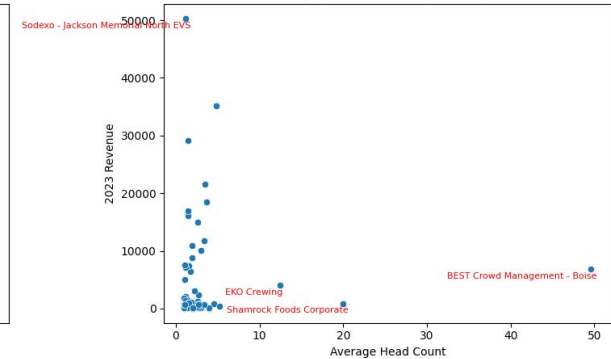
Dallas-Fort Worth, TX-OK



Las Vegas-Henderson, NV

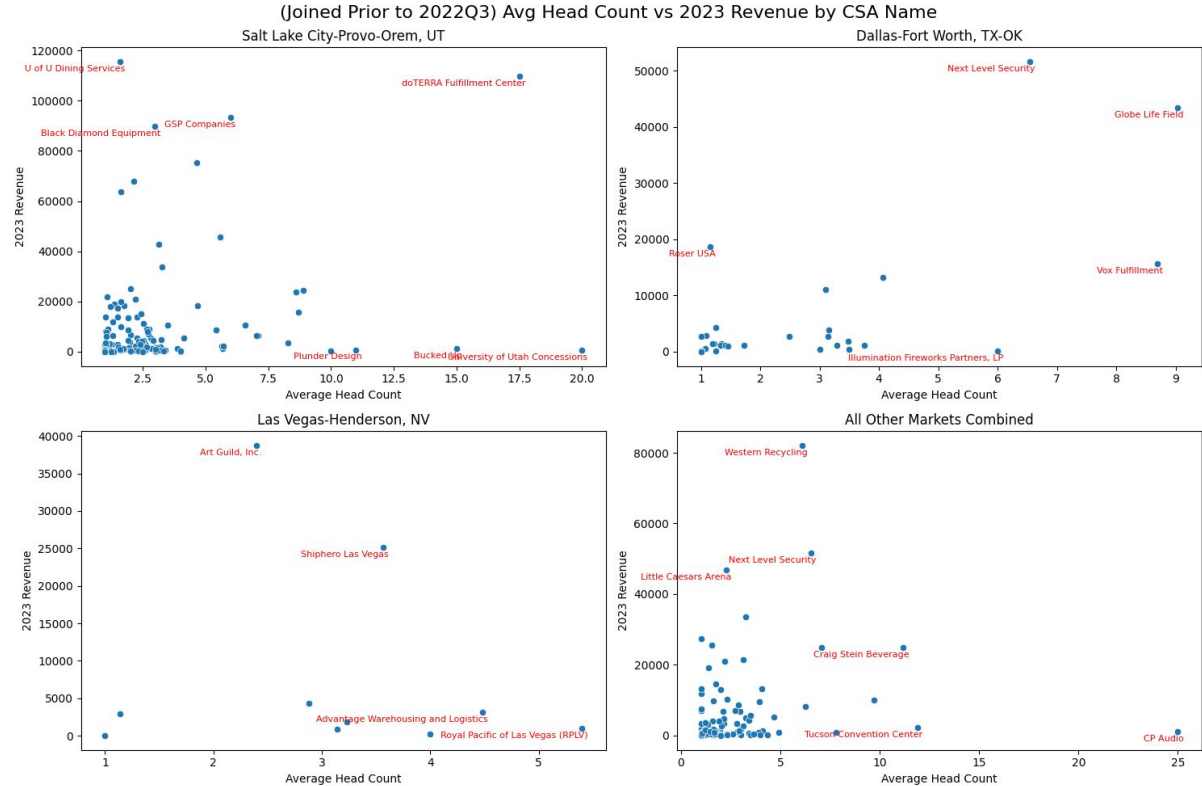


All Other Markets Combined



# vs. Revenue | <2022Q3

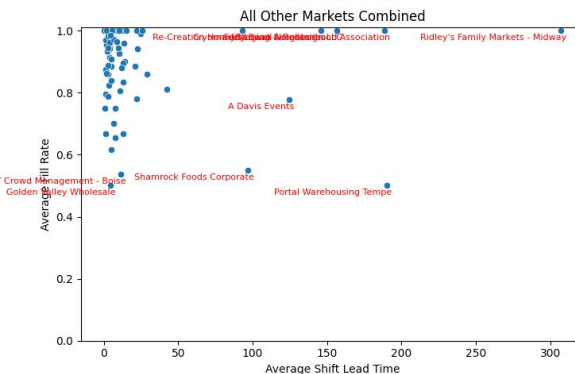
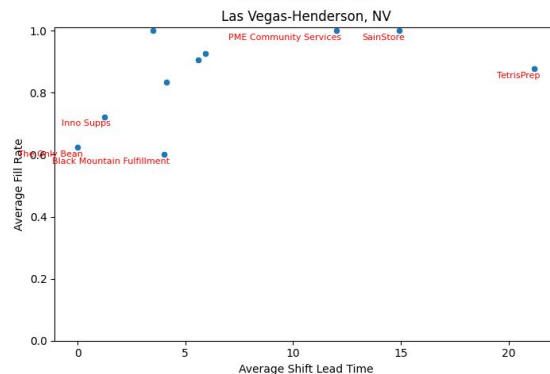
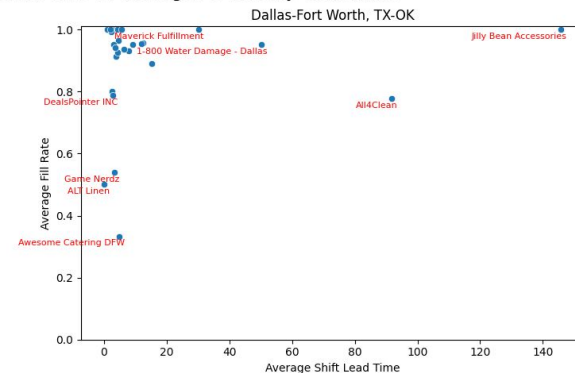
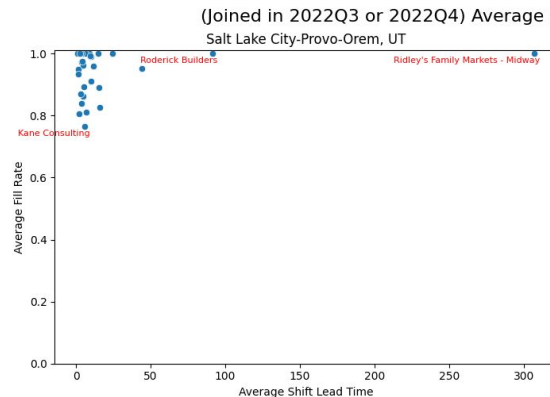
Average headcount vs total net commissionable revenue in 2023 for companies that joined earlier than Q3 of 2022 divided by market. Outliers labeled.



Average Shift Lead Time (days)

## vs. Fill Rate | 2022Q3/Q4

Average shift lead time vs fill rate for companies that joined in Q3 or Q4 of 2022 divided by market. Outliers labeled.

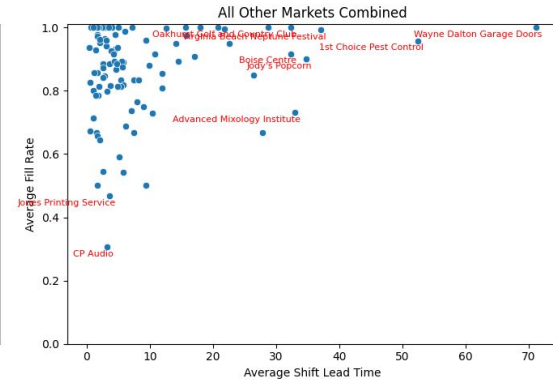
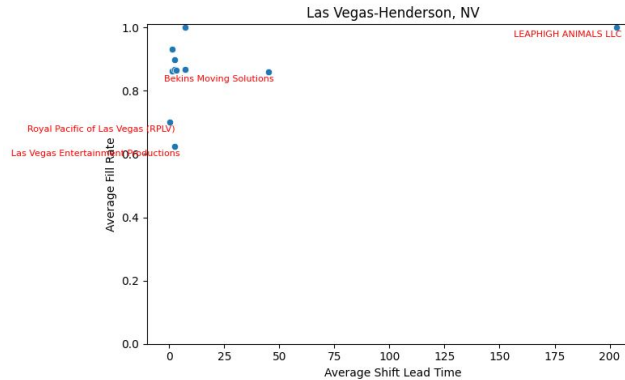
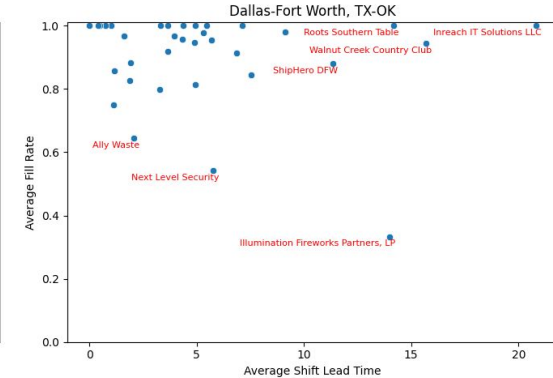
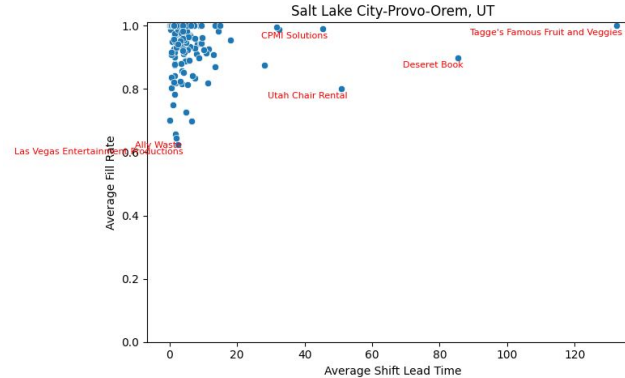




## vs. Fill Rate | <2022Q3

Average shift lead time vs fill rate for companies that joined earlier than Q3 of 2022 divided by market. Outliers labeled.

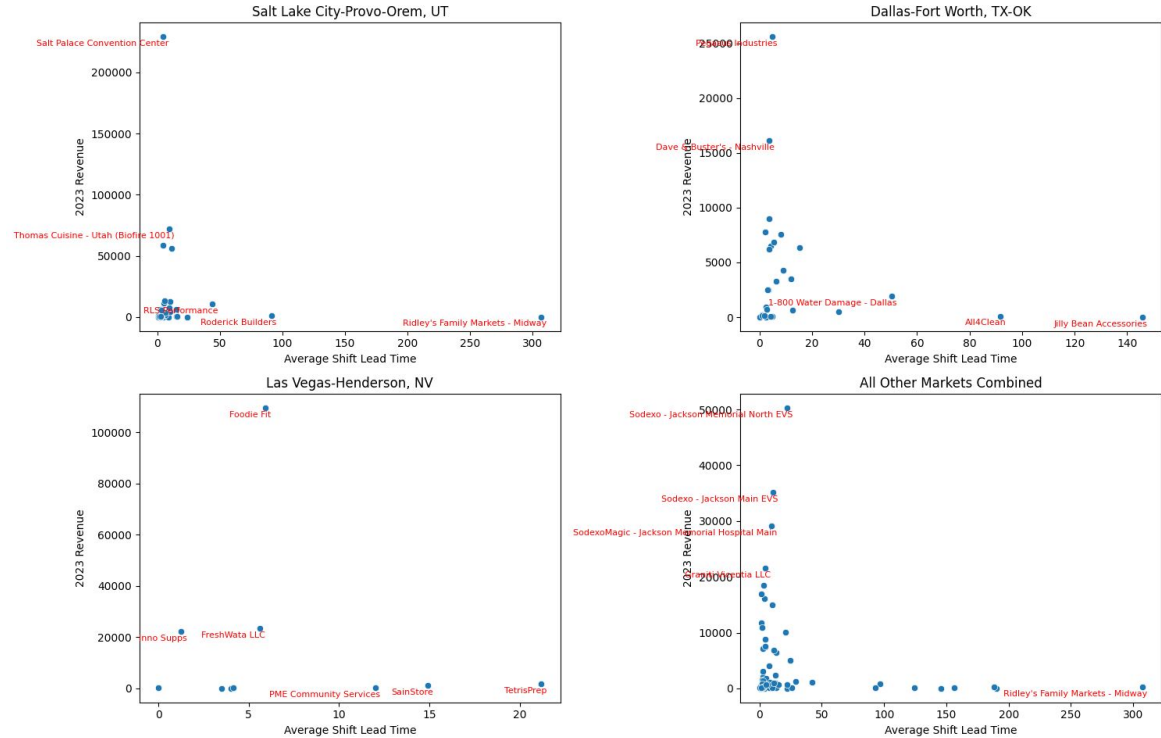
(Joined Prior to 2022Q3) Average Shift Lead Time vs Average Fill Rate by CSA Name



## vs. Revenue | 2022Q3/Q4

Average shift lead time vs total net commissionable revenue in 2023 for companies that joined in Q3 or Q4 of 2022 divided by market. Outliers labeled.

(Joined in 2022Q3 or 2022Q4) Average Shift Lead Time vs 2023 Revenue by CSA Name

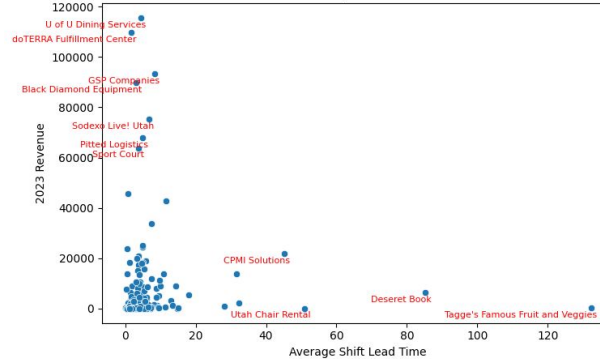


# vs. Revenue | <2022Q3

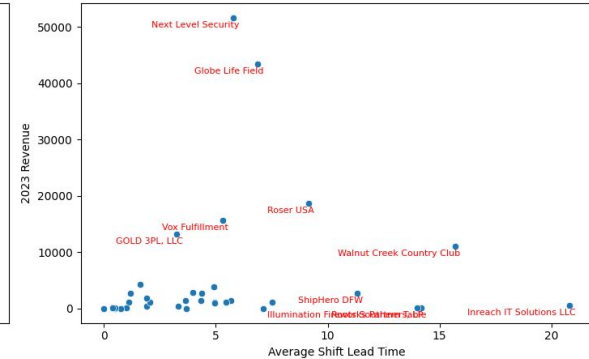
Average shift lead time vs total net commissionable revenue in 2023 for companies that joined earlier than Q3 of 2022 divided by market. Outliers labeled.

(Joined Prior to 2022Q3) Average Shift Lead Time vs 2023 Revenue by CSA Name

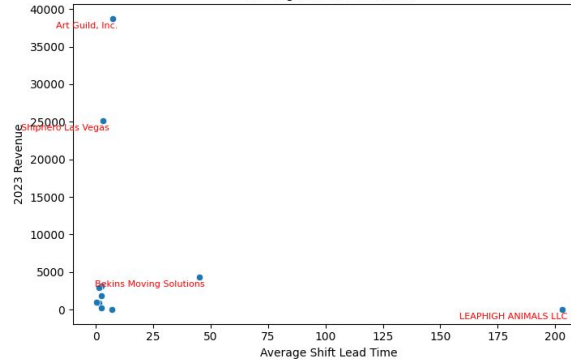
Salt Lake City-Provo-Orem, UT



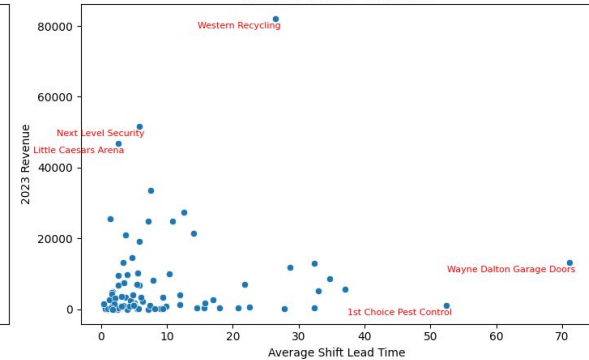
Dallas-Fort Worth, TX-OK



Las Vegas-Henderson, NV



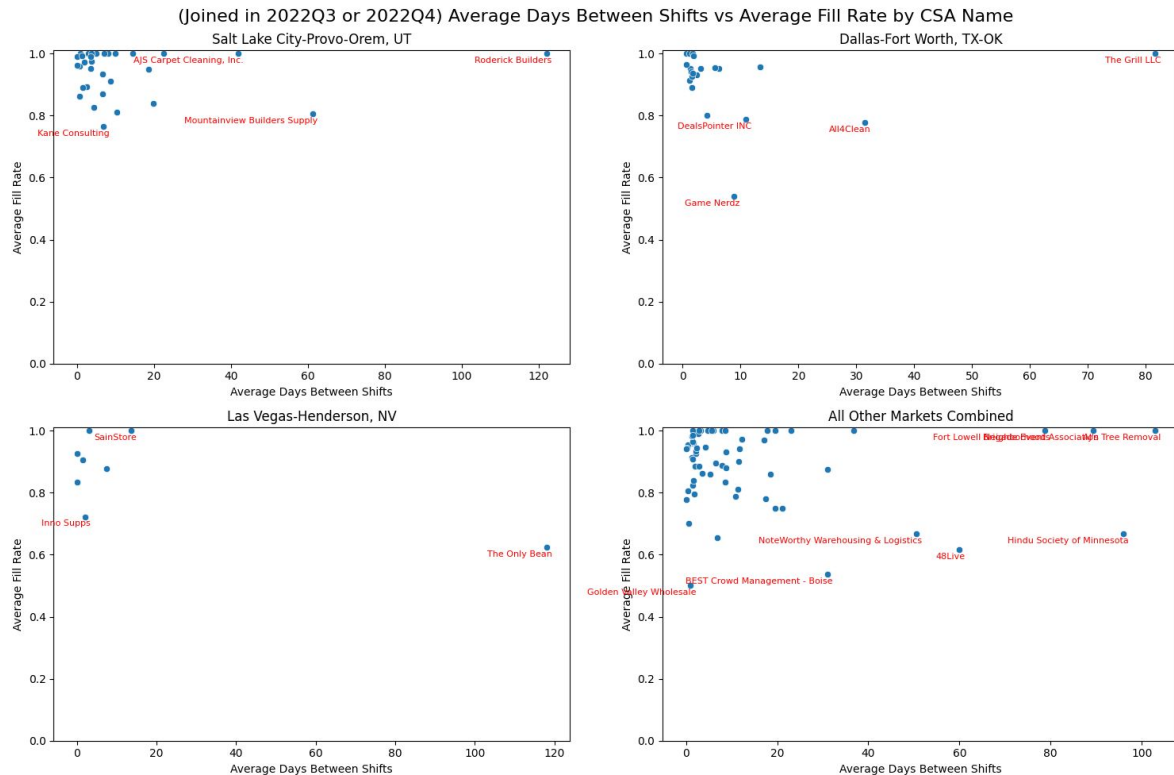
All Other Markets Combined



Average Days Between Shifts

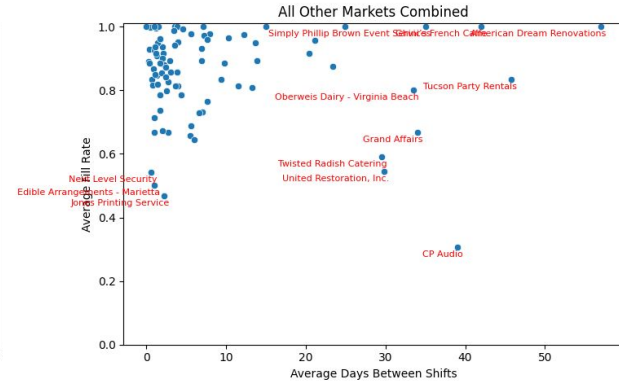
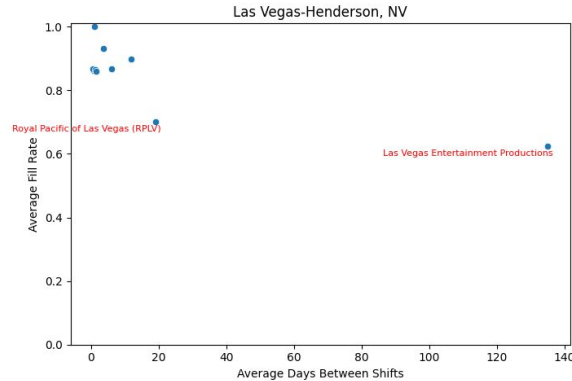
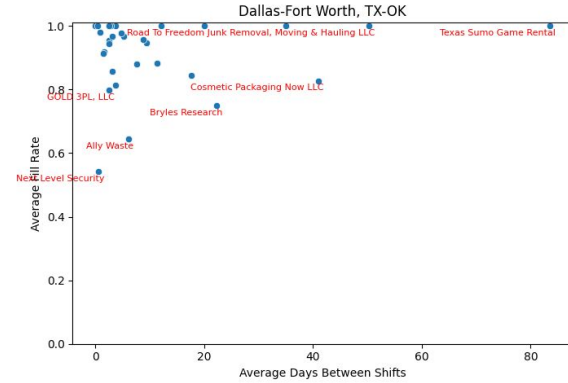
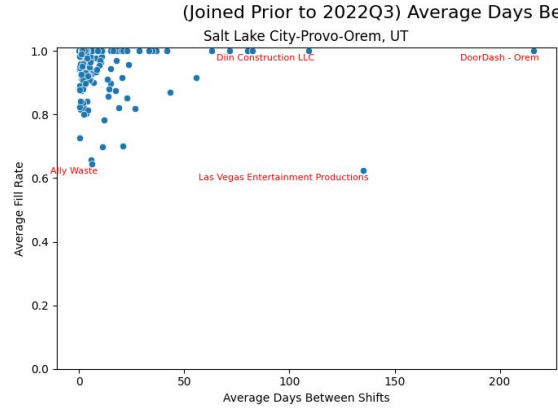
## vs. Fill Rate | 2022Q3/Q4

Average days between shifts vs fill rate for companies that joined in Q3 or Q4 of 2022 divided by market. Outliers labeled.



## vs. Fill Rate | <2022Q3

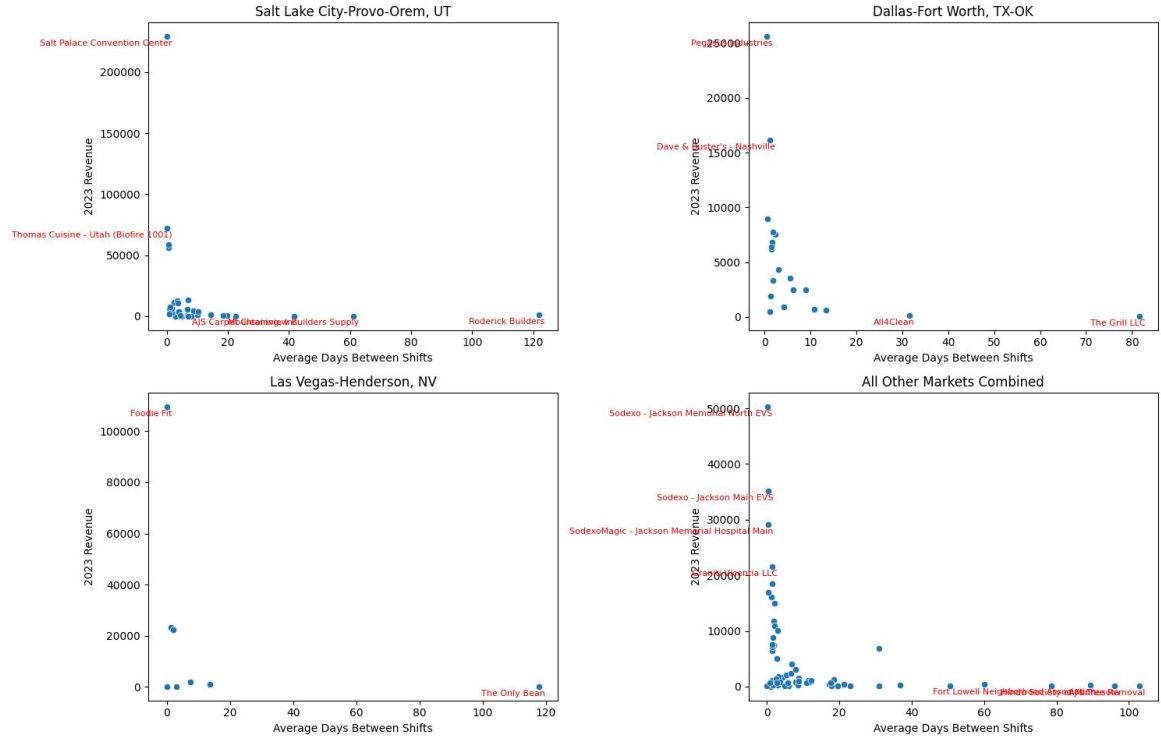
Average days between shifts vs fill rate for companies that joined earlier than Q3 of 2022 divided by market. Outliers labeled.



## vs. Revenue | 2022Q3/Q4

Average days between shifts vs total net commissionable revenue in 2023 for companies that joined in Q3 or Q4 of 2022 divided by market. Outliers labeled.

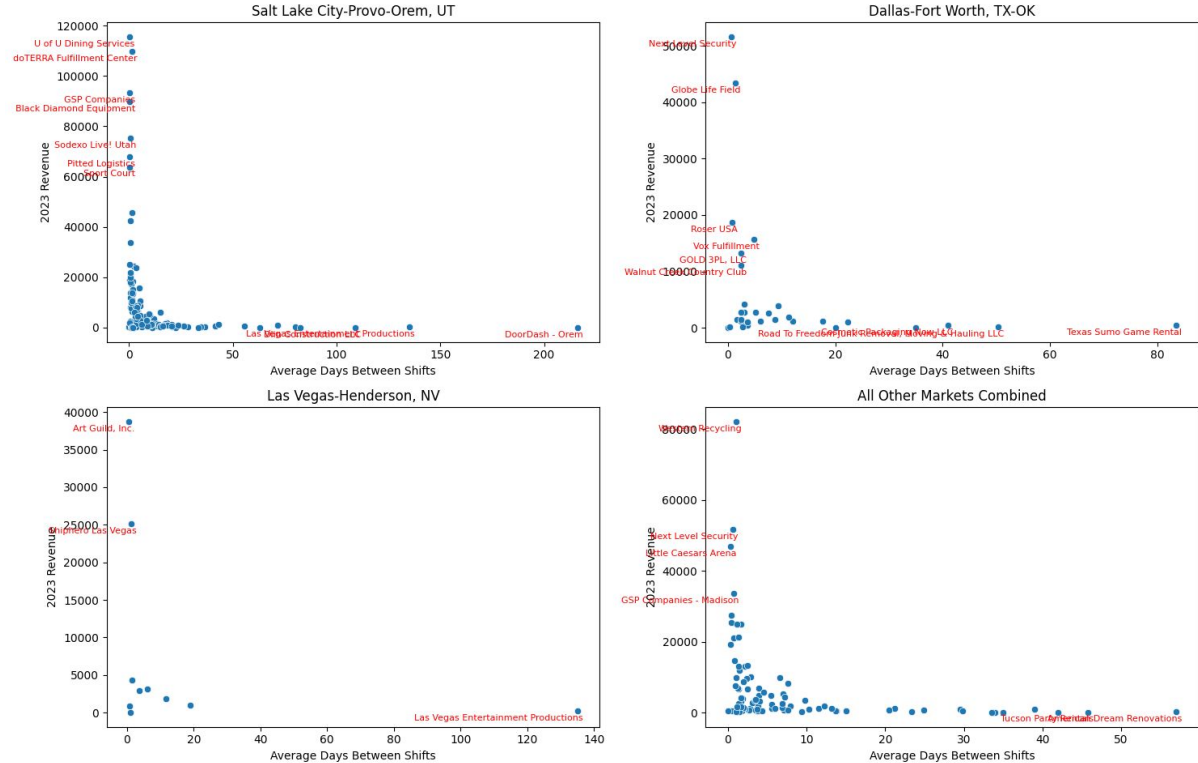
(Joined in 2022Q3 or 2022Q4) Average Days Between Shifts vs 2023 Revenue by CSA Name



vs. Revenue | <2022Q3

Average days between shifts vs total net commissionable revenue in 2023 for companies that joined earlier than Q3 of 2022 divided by market. Outliers labeled.

(Joined Prior to 2022Q3) Average Days Between Shifts vs 2023 Revenue by CSA Name





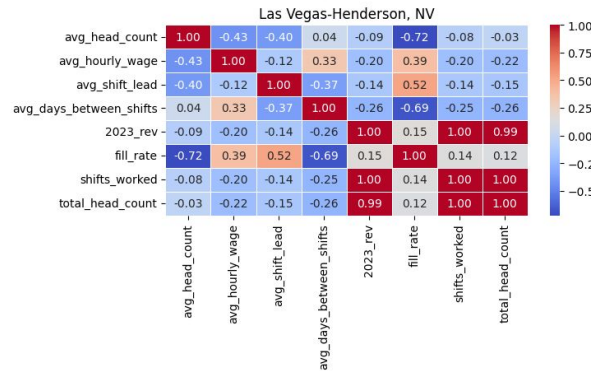
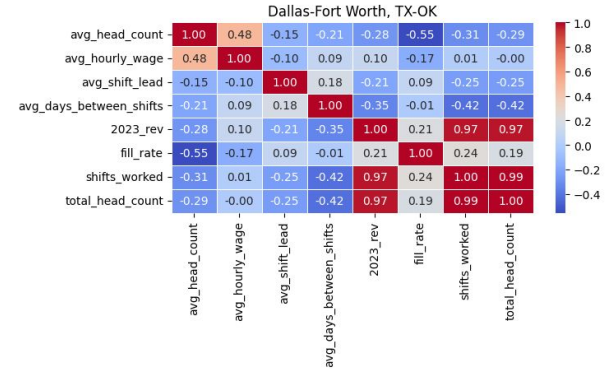
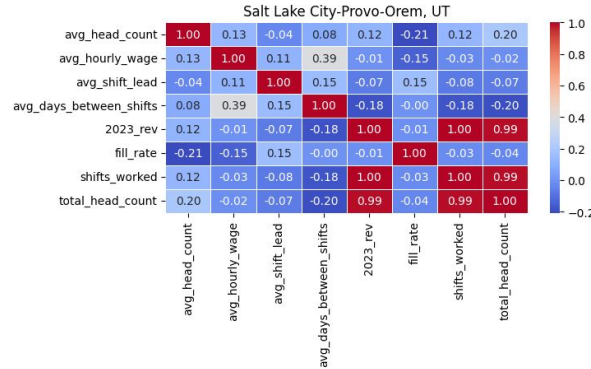
# Correlation Mapping

(Joined in 2022Q3 or 2022Q4) Correlation Heatmaps: Explanatory vs. Response Variables by CSA Name

# Correlation 2022Q3/Q4

Looking for correlation between Average Headcount, Average Hourly Wage, Average Shift-Post Lead Time, Average Days Between Shifts, 2023 Revenue, Fill Rate, Shifts Worked, Total Headcount Requested for companies that joined in Q3 or Q4 of 2022.

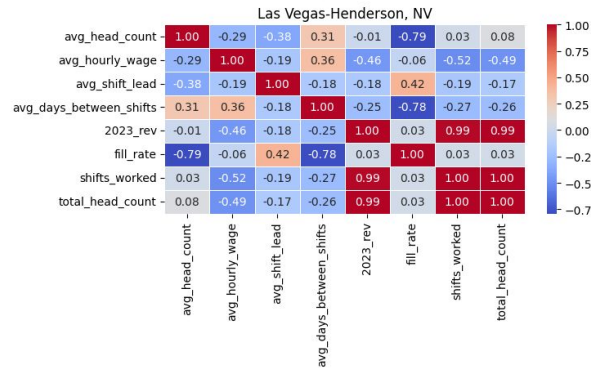
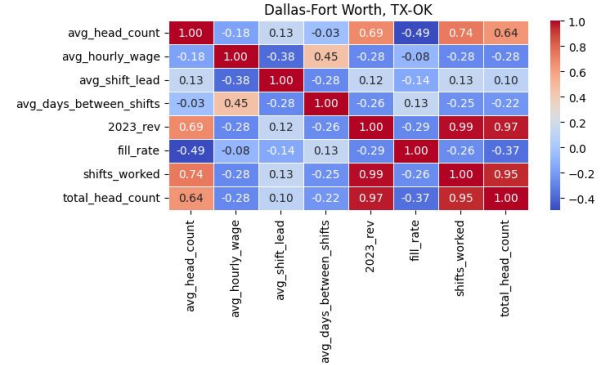
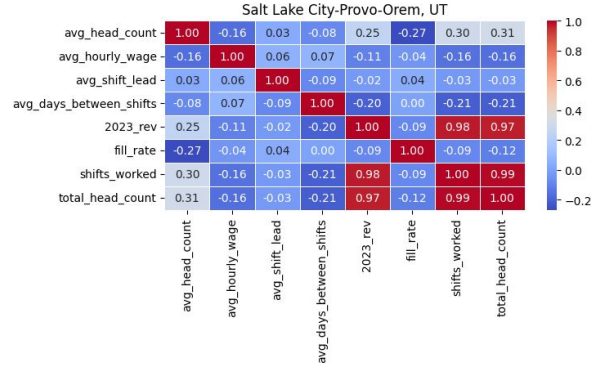
Correlation Coefficient:  
Indicates the strength and direction of the linear relationship between two variables, ranging from -1 (perfect negative correlation) to 1 (perfect positive correlation), with 0 indicating no correlation.



(Joined Prior to 2022Q3) Correlation Heatmaps: Explanatory vs. Response Variables by CSA Name

# Correlation <2022Q3

Looking for correlation between  
Average Headcount, Average Hourly  
Wage, Average Shift-Post Lead Time,  
Average Days Between Shifts, 2023  
Net Commissionable Revenue, Fill  
Rate, Shifts Worked, Total Headcount  
Requested for companies that joined  
before Q3 of 2022.



First 30 Day Effect on Worked Shifts

## Worked Shifts (days 0-30 vs 31-180)

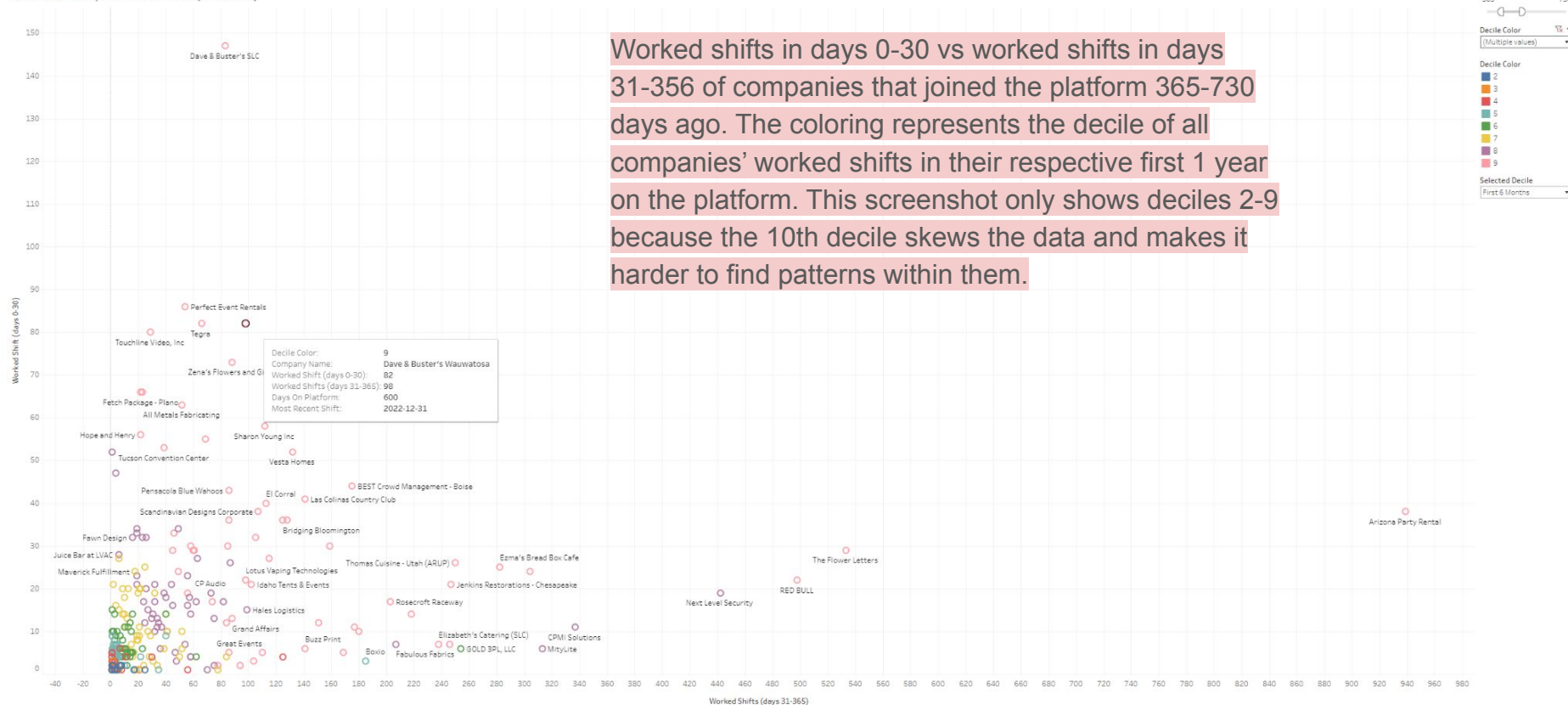
Worked Shifts (first month vs days 31-180)



We are limiting companies to those that joined 180-365 days ago because the data we are analyzing is about their first 180 days, and we also want to keep a focus on more recent companies, hence why we're capping days on platform to under 365

# Worked Shifts (days 0-30 vs 31-365)

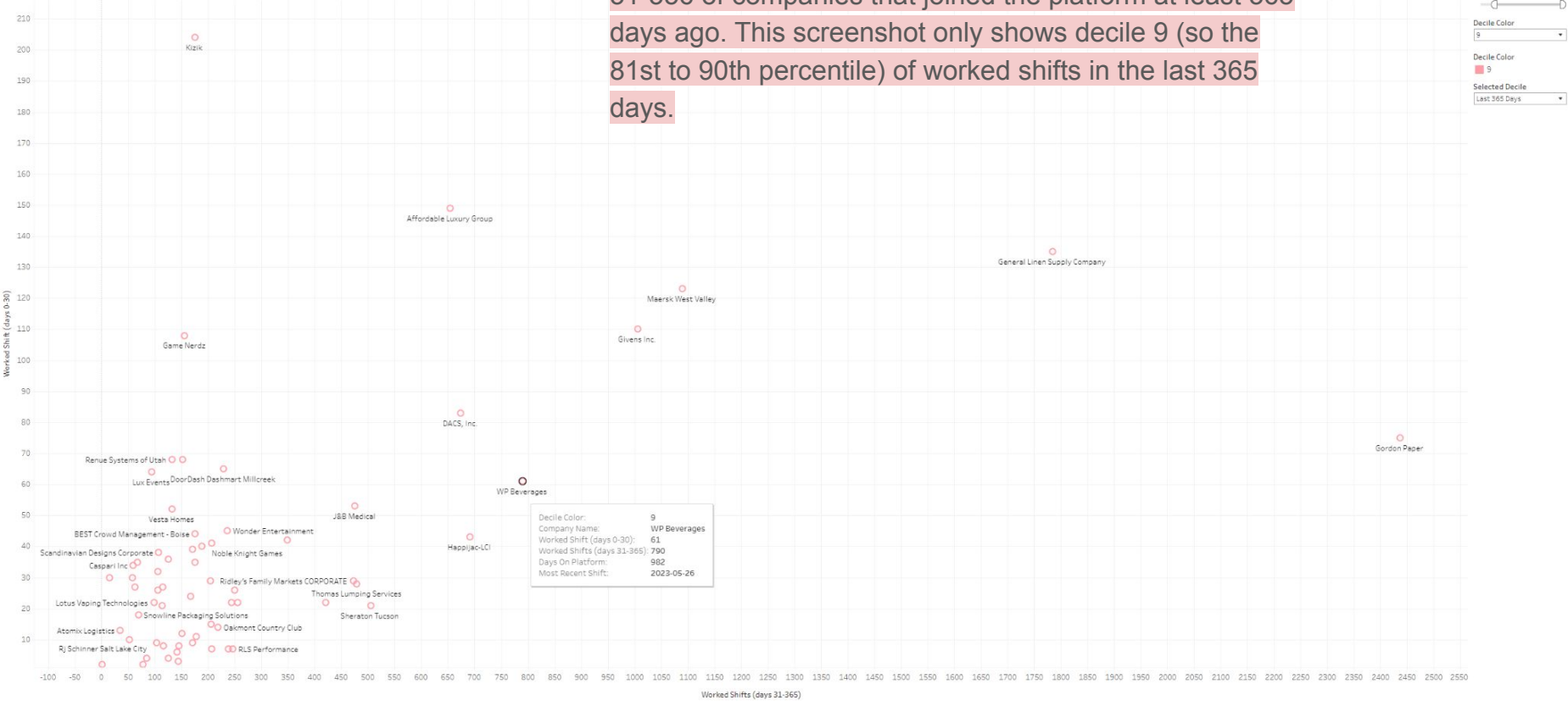
Worked Shifts (first month vs days 31-365)



We are limiting companies to those that joined 365-730 days ago because the data we are analyzing is about their first 365 days, and we also want to keep a focus on more recent companies, hence why we're capping days on platform to under 730.

# Worked Shifts (days 0-30 vs 31-365)

Worked Shifts (first month vs days 31-365)



[Link to Interactive Tableau Report](#)