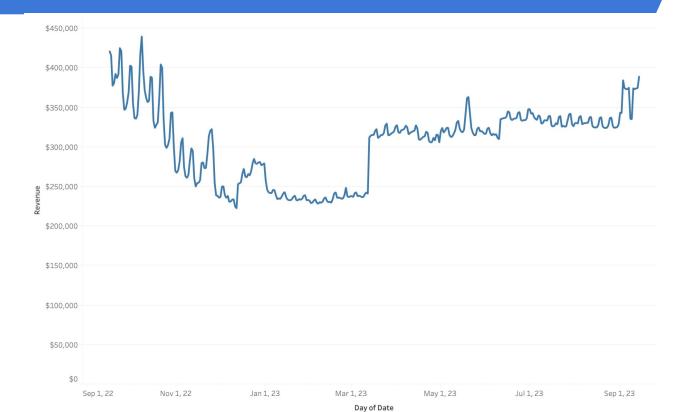


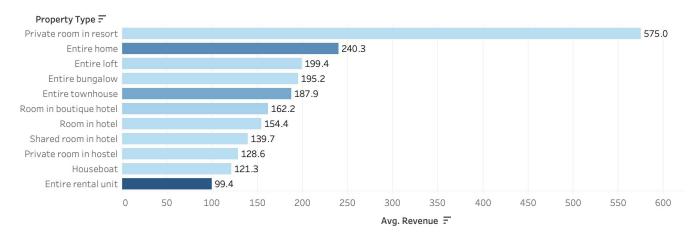
Total Revenue by date

- During the fall has the highest performance.
- Performance drops at the end of the year



Property Performance by Average Revenue

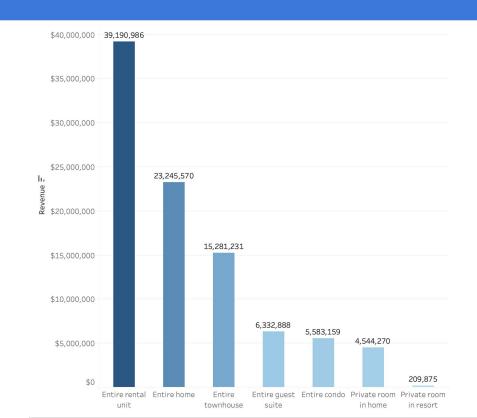
- Based on the data "Entire" and "Room" properties are the best performers in Washington DC
- Average revenue for 'Entire rental unit' is \$99
- 'Private room in resort' has highest average



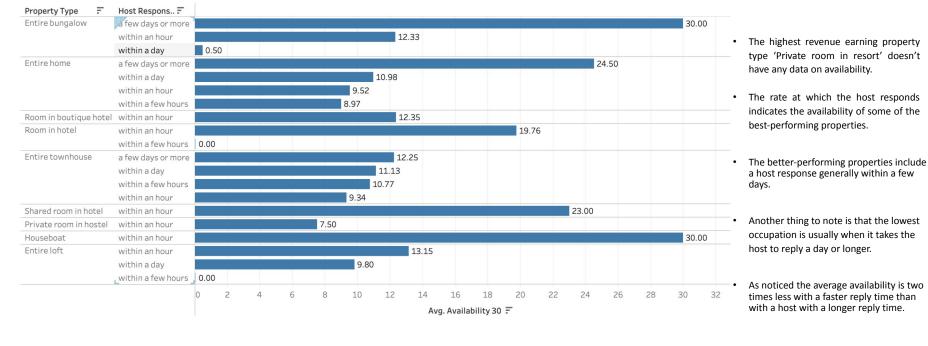
Property Performance by Total Revenue

 Based on the data "Entire" properties are the best performers in Washington DC

- What could be the reason for the property types high projected revenue?
- Could it be the price, availability, or location?



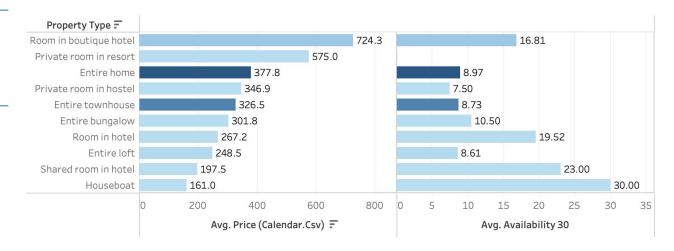
Availability by Host Response Time



Property Type by Availability and Price

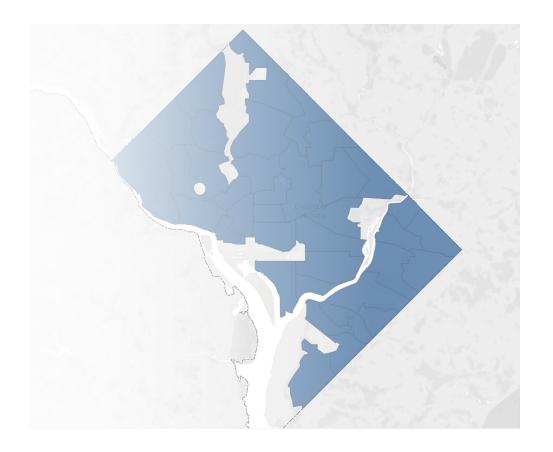
The properties that have the highest availability like "Houseboat" and "Shard room in hotel" also have the lowest price as shown by the dataset.

The properties that have the highest price have the least days of availability. As seen in "Entire home" and "Entire townhouse".



Proposed Action

- As indicated by the data a property with a high price and low availability performs better than a property with a low price and high availability.
- Going deeper, availability is influenced highly by the amount of time that it takes for the host to reply. A proposed action is for the host to reply before the course of a day or longer to people looking to rent a certain property. Preferably, within an hour.



Overall Impact

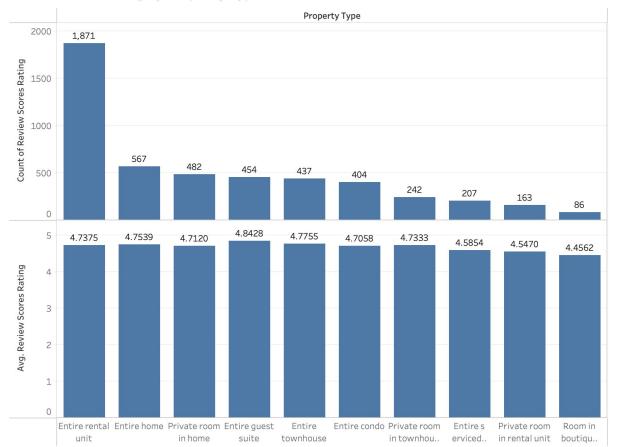
- If the host's reply time was decreased, then the availability would decrease by about two times.
- Multiplying the average difference by the price per night, we would be saving about \$2,614.



Property by Review Rating

- •The graph displays the top ten properties based on their ratings.
- •Some Factors that help ratings

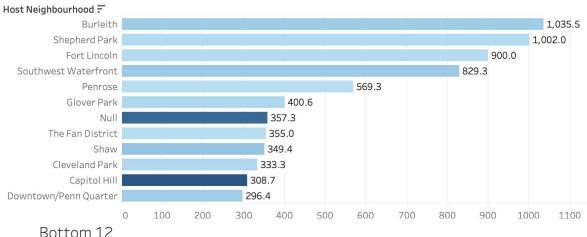
Review Score rating by Property Type

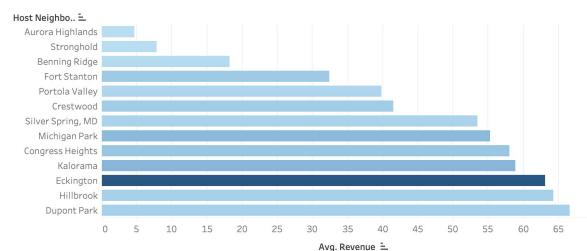


Revenue by Neighborhood

These neighborhoods are the bottom and top twelve based on average revenue earned.

Top 12

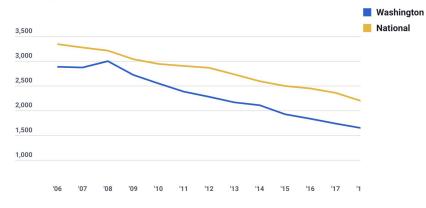


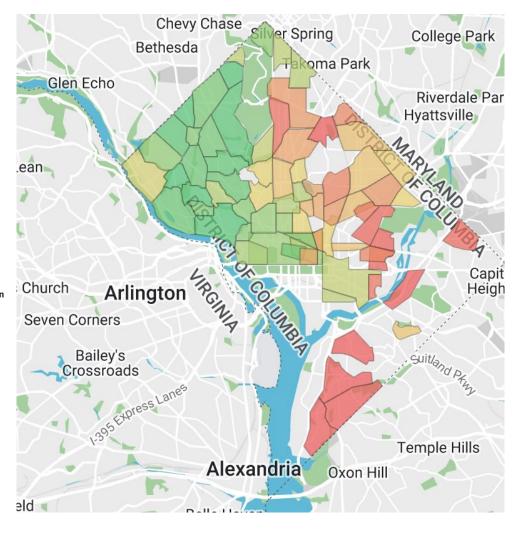


Reason(s) for Low Revenue

- · Inconvenient location
- Crime rate
- Sightseeing

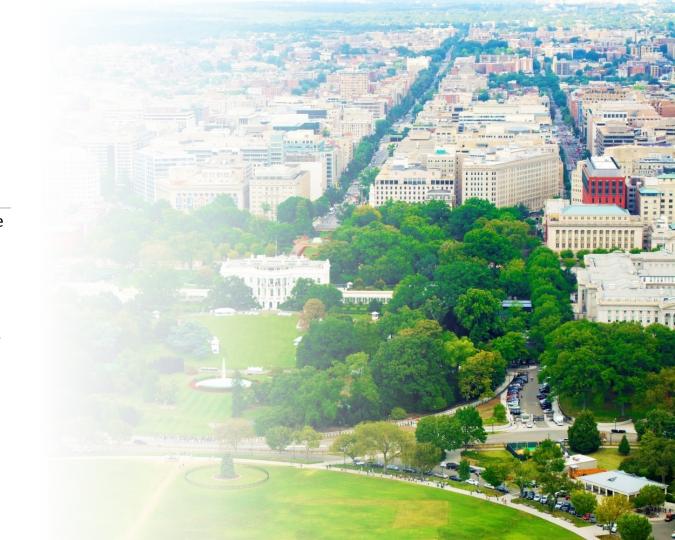
Property Crime Rate Over Time





Proposed Action

Communities with the lowest revenue are linked to the property with the lowest review scores. They are all located in areas with high rates of violent and property crime. Due to burglary being more common than violent crimes like aggravated assault, it would be advisable to use a smart lock.

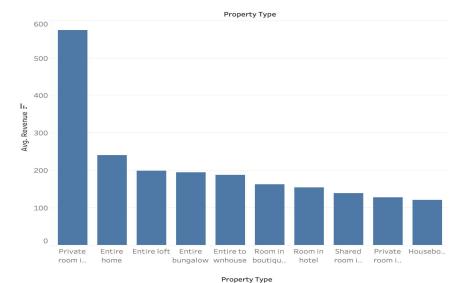


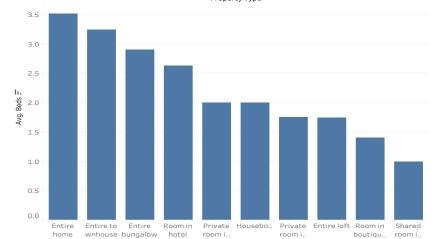
Property Revenue by Average Beds

Dataset 1: Property Type by Average Revenue

Dataset 2: Property Type by Average Beds

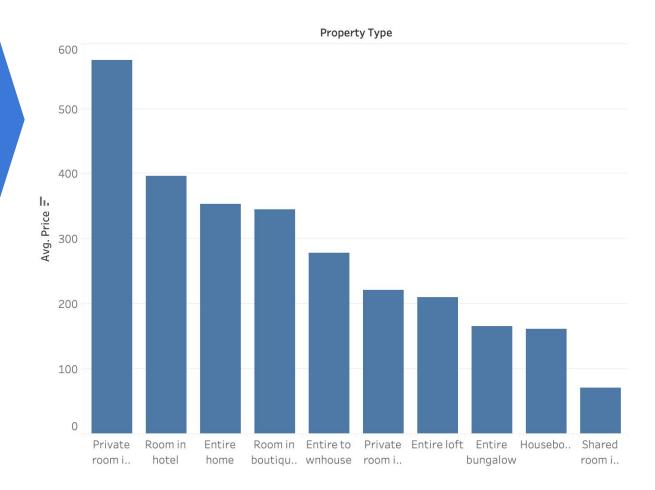
 From the dataset above we can generally see that the property types that have a high average revenue also have the higher average amount of beds.





Property Type by Average Price

- Based on a similar set of data we can see that the property types which have the highest revenue also have a corresponding price.
- The price looks to follow the patterns as does the average amount of beds that a property has.



Proposed Action

- Based on the data in the previous two slides, the more beds there are, the higher the price is for the property type.
- A proposed action would be to include an extra bed in properties with "Entire" in their description and make an exception to the "Private" types.



Overall Impact

- For every bed provided the price of the property type would increase by \$88.
- There is a logical reason for this since such big property types are quite popular based on their low availability
- This would increase the average revenue of properties by \$3,692.05



External Data Source:

http://insideairbnb.com/get-the-data/

