

ALBERET EATHE

Alberet is an enthusiastic dragon trainer organizing dragon „fights” – calm down, this is just a sport! His **goal** is to reach as many spectators as possible, and make a decent profit (1% of the folks will visit the show eventually).



Regression task: There is a new up-and-coming city in Westeros! (This is the hold-out dataset.) Aberet has all the info about this city/its airbnbs except the price. Let's say that keeping dragon costs X (which is a really big sum). Aberet is interested in this new location as there could be a number of new fans of the sport there. But can he find a good location (with big enough spaces, the correct amenities, etc) cheap enough, that visiting the city worth it? Aberet only wants to visit the city, if he can generate profit (the revenue from tickets is greater than the cost of keeping dragons + the Airbnb price). Can you find a location for Aberet to stay? Or in other words, is it worth visiting this new place for Aberet?

Question 1: Which cities have the most listings with large outdoor spaces suitable for dragon training (top 5)? (*Explanation:* Aberet needs to identify cities that have ample space for training dragons, at least 1200 sq. ft. / apartment)

Question 2: Which city has the lowest and highest average prices of Airbnb listings in cities with the most listings of large outdoor spaces? (*Explanation:* He needs to know accommodation costs in these potential training hubs. It can also help him decide what kind of audience he wants to target.)

Question 3: Which cities have the most positive reviews for Airbnbs with large outdoor spaces? (*Explanation:* Positive reviews can help ensure a pleasant experience for Aberet and his team. It can also help him decide what kind of audience (and thus which city or vice versa) he wants to target.)

Question 4: How many suitable flats are there per city (large enough and offers an iron, to keep the beasts warm)?

WDYT: As a tourism official, what factors would you consider to select the locations for a Dragon Fight World Championship?