

DECRAN JORDAYNE

Decran is a spy, with the cover of a musician organizing festivals. His **goal** is to organize a music tour next year for younger folks, and as an undercover agent to also visit major eastern ports (Widow's Watch, Gull Town, Runestone, Dragonstone, Sunspear, Kings Landing) to investigate their vulnerabilities, while minimizing costs.



Regression task: Due to a recent update in Westeros-Airbnb's pricing system and a temporary data synchronization issue, the prices for some of the listings are currently unavailable. (This is the hold-out dataset.) Decran has still got all information about these airbnbs except the price. He has already decided that he will visit 5 cities in his tour (5 major eastern ports with the cheapest airbnbs). After finding out the prices for the previously unknown airbnbs is there a way to make this tour of five different eastern ports cheaper?

Question 1: Which regions have the highest population of younger people (e.g., age demographics indicating a significant population under 30)? (*Explanation:* Decran the musician would want to target regions where his primary audience resides.)

Question 2: Which cities in these regions have the most affordable Airbnbs? (*Explanation:* Finding budget-friendly accommodations will be important for his tour expenses. Also, younger audiences and traveling fans tend to prefer low cost to luxurious flats.)

Question 3: Which cities have the highest number of possible venues (like concert halls, clubs, arenas, etc.) listed in their Airbnb descriptions? (*Explanation:* Decran needs to identify cities with a vibrant music scene and available venues.)

Question 4: Which cities with a high young population also have the highest concentration of Airbnbs with amenities such as free Wi-Fi and proximity to public transport? (*Explanation:* Ensuring easy access to essential amenities and transport will help Decran and his team manage the tour efficiently. This is also important for traveling fans. Choosing an easily accessible venue is also important.)

Question 5: As Decran the spy, you should also plan cheap and low-rated accommodation (to easily disappear in the underlife folks) in larger ports in the proximity of a targeted venue. Create your plan.

WDYT: As a Westeros tourism official what would you do to make it easier for younger folks to attend the music festivals? Give recommendations and arguments.