



Full Project – Data Analysis



Airbnb Inc., founded in 2008 by Brian Chesky, Joe Gebbia, and Nathan Blecharczyk, is a global online marketplace connecting hosts offering accommodations and experiences with guests seeking unique stays worldwide. The platform has grown significantly, boasting over 8 million active listing across more than 100,000 cities and 220 countries, revenue, reaching \$3.73 billion

The story Behind Airbnb's Formation



Airbnb started as a simple idea in 2007 when two roommates, Brian Chesky and Joe Gebbia, were struggling to pay rent in San Francisco. A big design conference was happening in the city, and hotels were fully booked. Seeing an opportunity, they decide to rent out air mattresses in their living room and provide breakfast for guests. They called this small venture “Air Bed & Breakfast.”

**Airbnb uses AI to reduce host complaints,
personalize travel planning**

Airbnb CEO discusses future of
artificial intelligence

Airbnb Stock Surged 14% As Consumers Trust AI
And Travel Tech

**Airbnb turns to AI to help prevent house
parties**

**Airbnb Uses Artificial Intelligence
to Transform Their Business**

Suppose you are working in the data-driven domain at Airbnb. You have a dataset and need to derive insights from it to answer key business questions, as company officials aim to grow the business.

- What is the distribution of listing prices?
- How are different room types distributed?
- How are listings distributed across different neighborhoods?
- What is the relationship between price and room type?
- How has the number of reviews changed over time?