

YZV 211E Introduction of Data Science and Engineering

Project Proposal

Project Team

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Project Title

The Relationship Between Average Income Levels and Cultural Engagement (Cinema, Theatre)
Across Provinces in Turkey

Summary

This project investigates the relationship between average income levels and cultural engagement by population of regions, focusing on cinema and theatre participation across various regions in Turkey.

Problem Definition

The study formally addresses the question of how average income levels affect cultural engagement, specifically in terms of cinema and theatre participation, in different regions of Turkey.

Possible Research Questions

- What is the relationship between average income levels in different regions and participation in cinema and theatre activities?
- How much cinema and theatre are affected by average income levels separately? Which one is affected more by income level?
- What regional variations exist in the context of cultural engagement and economic status?
- How do variations in average income levels correlate with changes in cinema and theatre attendance patterns over the years in each region?
- Are there any observable trends or patterns in the data that suggest a causal relationship between rising or falling income levels and changes in cinema and theatre participation?

Datasets' Sources

Four dataset will be used from the Turkish Statistical Institute (TÜİK).

1. Income rate

Distribution of annual household disposable income by equivalent household disposable individual income across 11 regions from 2014 to 2022 (average, try)

2. Population

This dataset gives informations about population across 11 regions of residence from 2014 to 2022

3. Number of cinema audiences

Annual total number of cinema audiences across the 11 regions in Turkey from 2014 to 2022

4. Number of theatre audiences

Annual total number of theatre audiences across the 11 regions in Turkey from 2014 to 2022