

Brief Project Dataverse

Hi! Glad you come here after long theory session 

Dataset : [US Home Price and Economic Indicators \(2004–2024\)](#) 

Tugas dan deskripsi:

- Silahkan unduh dataset melalui link di atas, deskripsi latar belakang dataset dan keterangan kolom sudah ada di link tersebut
- Dataset relatif sudah rapi dan processed
- Lakukan analisis statistik deskriptif untuk menggambarkan profil dataset terlebih dahulu
- Lakukan pemrosesan yang diperlukan untuk menjawab pertanyaan-pertanyaan di bawah
- Visualisasikan hasil kerja teman-teman pada Dashboard Looker Studio
- Presentasi di akhir sesi (10-15 menit) tentang proses coding yang dilakukan dan hasil visualisasi Looker Studio-nya

Pertanyaan

No.	Pertanyaan	Kelompok	Level
1	Based on the data, when would have been the best time to buy a house in terms of low prices and low interest rates?	1	Susah, eksploratif
2	Rank the years by home price growth. Which 5 years had the highest price increases?	1	Medium, ada processing
3	Compare unemployment rate with housing starts on the same chart. Do they seem related?	1	easy
4	Create a viz showing total building permits by year. Which 3 years had the most construction activity?	2	medium
5	Show US population growth year by year. Is the population growing faster in recent years or earlier years?	3	medium
6	Calculate and visualize the relationship between median income growth vs. home price index. In which years did housing become significantly less affordable?	2	easy
7	Create a visualization showing seasonal patterns in housing starts and building permits. Which months show the strongest/weakest activity and why might this occur?	3	easy

8	Using population growth and housing starts data, identify periods where housing supply may not have kept pace with population growth. What are the implications?	2	susah
9	Analyze how consumer sentiment correlates with housing starts and building permits. Does consumer optimism predict future housing construction activity?	3	susah