

Proposition: ‘Is the total population of [the eastern neighbor of the country where the father of the 44th U.S. president was born] similar in size to the total population of [the U.S. state that has the largest population at risk of earthquakes]?’

GPT-4, with Michael L. Thompson

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Proposition: “Is the total population of [the eastern neighbor of the country where the father of the 44th U.S. president was born] similar in size to the total population of [the U.S. state that has the largest population at risk of earthquakes]?”

Added Instructions

Use this key:

- «A» = the 44th U.S. president
- «B» = the father of «A»
- «C» = the country where «B» was born
- «D» = the eastern neighbor of «C»
- «E» = the total population of «D»
- «F» = the U.S. state that has the largest population at risk of earthquakes
- «G» = the total population of «F»

Query Plan Outline

- Who is the 44th president? («A»)
 - Who is the father of «A»? («B»)
 - What is the country where «B» was born? («C»)
 - What is the eastern neighbor of «C»? («D»)
 - What is the total population of «D»? («E»)
- What is the state that has the largest population at risk of earthquakes? («F»)
 - What is the total population of «F»? («G»)
- Is the total population of «D» similar in size to the total population of «F»?

Summary

To answer the question, we need to compare the population of California, which is the U.S. state with the largest population at risk of earthquakes, with the population of Somalia, which is the eastern neighbor of Kenya (the country where the father of the 44th U.S. president, Barack Obama, was born).

Based on the information provided:

- The population of California is cited as 38,066,920. However, this figure may not be current, and for the most accurate and current population figure, one would need to consult the latest data from the United States Census Bureau or other official demographic statistics.
- The estimated population of Somalia was approximately 15 million people according to the United Nations data available at the time of my last update. For the most current and accurate population figure, one would need to consult the latest data from the United Nations or other authoritative sources such as the World Bank or the Central Intelligence Agency’s World Factbook.

Comparing these two figures, even without the most current data, we can see that the population of California is significantly larger than the population of Somalia. California’s population is more than double the estimated population of Somalia.

Therefore, the total population of Somalia is not similar in size to the total population of California; California has a much larger population.

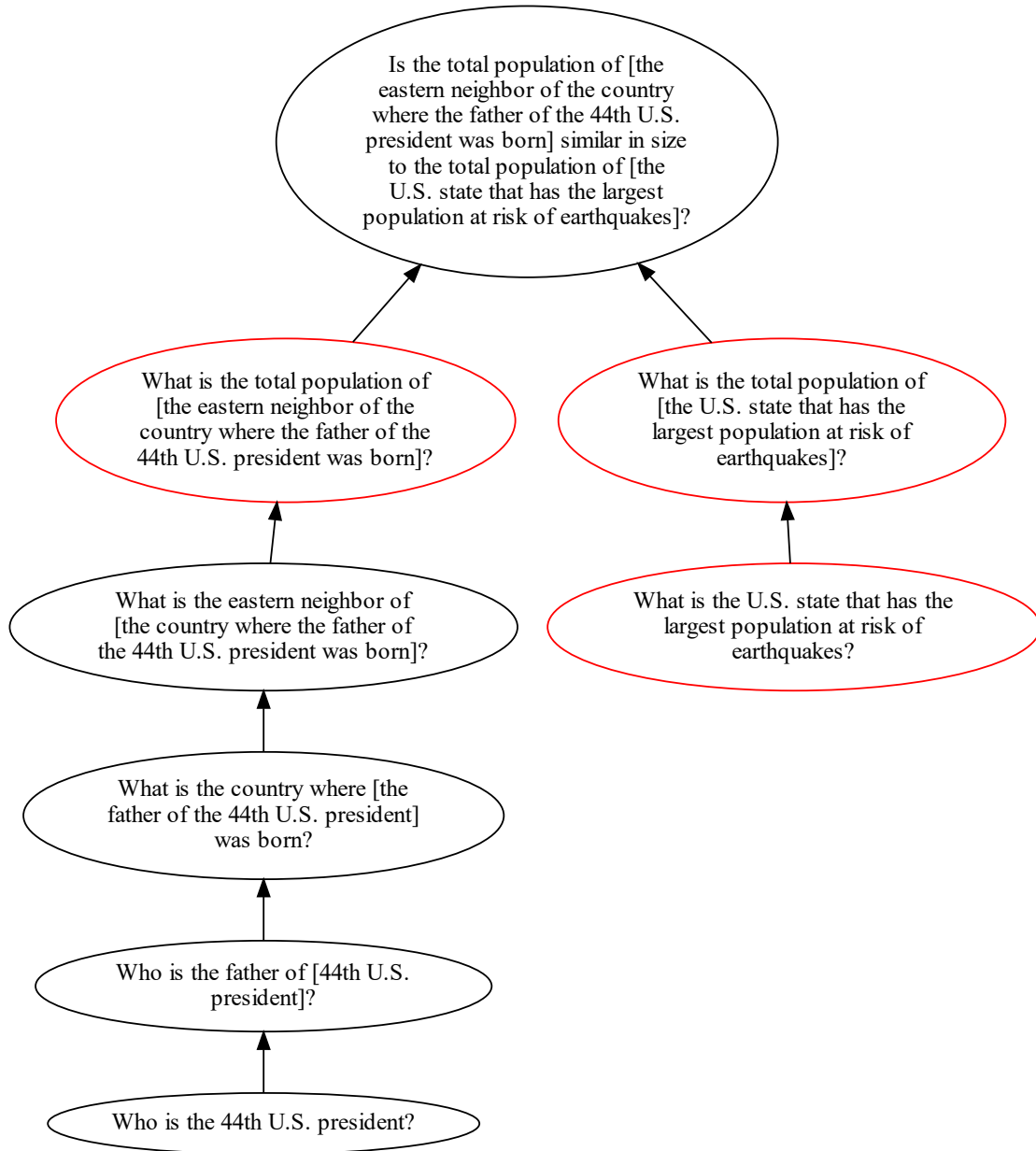


Figure 1: Query plan graph.

Sub-Propositions

What is the total population of [the eastern neighbor of the country where the father of the 44th U.S. president was born]?

What is the eastern neighbor of [the country where the father of the 44th U.S. president was born]?

What is the country where [the father of the 44th U.S. president] was born?

Who is the father of [44th U.S. president]? “Who is the 44th U.S. president?”

The 44th President of the United States is Barack Obama. He served two terms in office, from January 20, 2009, to January 20, 2017. Prior to his presidency, Barack Obama was a U.S. Senator from Illinois. He was succeeded by Donald J. Trump, the 45th President, on January 20, 2017.

Conclusion The father of the 44th U.S. President, Barack Obama, is Barack Obama Sr. He was a Kenyan senior governmental economist.

Conclusion The father of the 44th U.S. President, Barack Obama, is Barack Obama Sr. He was born in Kenya. Therefore, the country where the father of the 44th U.S. president was born is Kenya.

Conclusion

The father of the 44th U.S. President, Barack Obama, was born in Kenya. To determine Kenya’s eastern neighbor, we need to look at a map of Africa.

Kenya is located on the eastern coast of Africa. To the east of Kenya, there is no neighboring country because Kenya’s eastern border is along the Indian Ocean. However, if we consider the country that is northeast of Kenya, that would be Somalia. Somalia is the country that lies to the northeast of Kenya and shares a border with Kenya to the north.

Therefore, the eastern neighbor of Kenya, in the context of a bordering country, is Somalia to the northeast.

Conclusion

The father of the 44th U.S. President, Barack Obama, was born in Kenya. The eastern neighbor of Kenya, considering the country that is northeast and shares a border with Kenya, is Somalia.

To determine the total population of Somalia, we can refer to the most recent estimates from sources such as the World Bank, United Nations, or other reputable demographic resources. However, the provided search results do not include the current population figure for Somalia.

As of my last update, the estimated population of Somalia was approximately 15 million people, according to the United Nations data. However, for the most current and accurate population figure, it would be best to consult the latest data from the United Nations or other authoritative sources such as the World Bank or the Central Intelligence Agency’s World Factbook. These sources are regularly updated with the latest demographic statistics.

What is the total population of [the U.S. state that has the largest population at risk of earthquakes]?

“What is the U.S. state that has the largest population at risk of earthquakes?”

Based on the information provided, Alaska is one of the most seismically active places in the world, with 11 percent of the world’s earthquakes occurring in the state. However, when considering the state with the largest population at risk of earthquakes, we need to consider both the frequency and magnitude of earthquakes as well as the population density of the area.

Alaska has the most earthquakes in the United States, accounting for 57% of all earthquakes in the country. It experiences more earthquakes than any other state, including California. However, Alaska's population is much smaller than California's. According to the data snippet from USA.com, California has a population of 38,066,920, which is significantly larger than Alaska's population.

Given that California also experiences a high number of earthquakes and has a much larger population than Alaska, it is reasonable to conclude that California has the largest population at risk of earthquakes in the United States. The state is known for its seismic activity, particularly along the San Andreas Fault, among other fault lines.

In summary, while Alaska may have the highest frequency of earthquakes, California has both a high frequency of seismic activity and a much larger population, making it the U.S. state with the largest population at risk of earthquakes.

Conclusion

Based on the merged responses, California is identified as the U.S. state with the largest population at risk of earthquakes. The population figure cited for California is 38,066,920. However, this figure may not be current, as population numbers can change over time due to various factors such as birth rates, death rates, and migration.

To provide the most accurate and current population figure for California, it would be necessary to consult the latest data from a reliable source such as the United States Census Bureau or other official demographic statistics. As of my last update, I do not have access to real-time data, so I recommend checking the most recent data from the U.S. Census Bureau or the California Department of Finance for the latest population figures.

Search Results

“current population of [eastern neighbor of the country where the father of the 44th U.S. president was born]”

- [Barack Obama Sr. - Wikipedia](#): Barack Hussein Obama Sr was a Kenyan senior governmental economist and the father of Barack Obama, the 44th president of the United States. Missing: population neighbor
- [Barack Obama | The White House](#): Barack Obama served as the 44th President of the United States. His story is the American story values from the heartland, a middle-class upbringing in a ... Missing: population neighbor
- [Chicago - Wikipedia](#): Chicago is the most populous city in the U.S. state of Illinois and the third-most populous in the United States after New York City and Los Angeles.
- [President Barack Obama](#): Barack Hussein Obama II was born August 4, 1961, in Honolulu, Hawaii, to parents Barack H. Obama, Sr., and Stanley Ann Dunham. His parents divorced when he ... Missing: population neighbor
- [Barack Obama | whitehouse.gov](#): Obama is the 44th President of the United States. His story is the American story values from the heartland, a middle-class upbringing in a strong family ... Missing: population [eastern neighbor country]
- [The Obama Legacy: A Promise of Hope - ABC News](#): Behind the podium, one man stood alone Barack Hussein Obama, the 47-year-old son of a black father from Kenya and a white mother from Kansas ...
- [Barack Obama | Biography, Parents, Education, Presidency, Books ...](#): Barack Obama (born August 4, 1961, Honolulu, Hawaii, U.S.) 44th president of the United States (200917) and the first African American to hold the office. Missing: neighbor | Show results with:neighbor
- [Barack Obama \(@barackobama\) Instagram photos and videos](#): 37M Followers, 9 Following, 887 Posts - See Instagram photos and videos from Barack Obama (@barackobama) Missing: population [eastern 44th born]

- [\[PDF\] Current Non-Profit Entities Filing IRS Tax Form 990 with the Attorney ...](#): ... US Highway 23. Lowmansville KY. 41232. 2884. Appalachia Service Project, Inc ... 44th Street. Louisville. KY. 40212. 13080. Project Sunshine, Inc. \$4,525,708.00.
- [\[PDF\] Tract Housing in California, 1945-1973 - Caltrans](#): state's largest city, with a population of about. 343,000 (less than half of its current population). Los Angeles was a small city of just over. 100,000 ...

“U.S. state with largest population at risk of earthquakes”

- [Which state has the most earthquakes that cause ... - USGS.gov](#): Alaska and California have the most earthquakes (not human-induced). Learn more: Earthquake Information by Region ...
- [Which States Have The Highest Earthquake Risk, And Why?](#): Alaska accounts for 57% of all earthquakes in the United States. It has experienced more earthquakes than any other state. Yes, even more than ...
- [What State Has the Most Earthquakes in the U.S.? | CRMP](#): Top 5 States with the most earthquakes (ranked): Alaska California Hawaii Nevada Washington State.
- [Where Do Most Earthquakes Occur In The US? - WorldAtlas](#): According to the United States Geological Survey (USGS), California has the highest number of earthquakes annually, followed by Alaska and ...
- [The Most Earthquake-Prone States in America - 24/7 Wall St.](#): America's most earthquake-prone state by far is Alaska. In the No. 2 position, perhaps surprisingly, is Oklahoma which has seen a dramatic ...
- [U.S. Earthquake Index State Rank - USA.com](#): U.S. Earthquake Index State Rank ; 1. 21.80, California / 38,066,920 ; 2. 13.37, Hawaii / 1,392,704 ; 3. 4.04, Washington / 6,899,123.
- [New Study Lists Top 10 Earthquake States | Live Science](#): New Study Lists Top 10 Earthquake States Alaska, 6.70 California, 6.02 Nevada, 5.11 Hawaii, 5.00 Washington, 4.97 Wyoming, 4.67 Idaho, ...
- [Earthquakes in the Midwestern and Eastern United States?! | UPSeis](#): The most earthquake-prone areas include Charleston, South Carolina, eastern Massachusetts, the St. Lawrence River area, and the central Mississippi River Valley ...
- [Great ShakeOut 45 States, Territories at Risk for Earthquakes](#): The most earthquake-prone areas include Charleston, South Carolina, eastern Massachusetts, the St. Lawrence River area and the central ...

“current population of [U.S. state with largest population at risk of earthquakes]”

- [Which state has the most earthquakes that cause ... - USGS.gov](#): Alaska and California have the most earthquakes (not human-induced). Learn more: Earthquake Information by Region ...
- [What State Has the Most Earthquakes in the U.S.? | CRMP](#): Top 5 States with the most earthquakes (ranked):. Alaska; California; Hawaii; Nevada; Washington State. What State Has the Most Earthquakes in ...
- [The Most Earthquake-Prone States in America - 24/7 Wall St.](#): America's most earthquake-prone state by far is Alaska. In the No. 2 position, perhaps surprisingly, is Oklahoma which has seen a dramatic ...
- [Nearly Half of Americans Exposed to Potentially Damaging ...](#): More than 143 million Americans living in the 48 contiguous states are exposed to potentially damaging ground shaking from earthquakes.
- [Which States Have The Highest Earthquake Risk, And Why?](#): Yes, even more than California. #1 Alaska. More earthquakes have occurred in Alaska than in any other US state. The United States Geological ...
- [U.S. Earthquake Index State Rank - USA.com](#): Rank, Earthquake Index , State / Population. 1. 21.80, California / 38,066,920. 2. 13.37, Hawaii / 1,392,704. 3. 4.04, Washington / 6,899,123.
- [Where Do Most Earthquakes Occur In The US? - WorldAtlas](#): The Most Earthquake Prone US States ; 1, Alaska, 12,053 ; 2, California, 4,895 ; 3, Hawaii, 1,533 ; 4, Nevada, 788.
- [Nearly half of Americans in lower 48 at risk for potentially damaging ...](#): An estimated 143 million Americans in the conterminous 48 states, or about 46 percent of the population, live in areas susceptible

to ...

- [Nearly half of Americans at risk of an earthquake - CBS News](#): Study finds more than 140 million Americans could experience the ground-shaking effects of a quake, twice previous estimates.
- [Great ShakeOut 45 States, Territories at Risk for Earthquakes](#): Are you aware 45 states and territories in the United States are at risk of earthquakes? The most earthquake-prone areas include Charleston ... Missing: population

How Was This Done?

Generated by [Michael L. Thompson](#) with OpenAI's GPT-4 (gpt-4-1106-preview).

- **Python-based Jupyter Lab Notebook:** The contents of this document were generated through coded prompting of **OpenAI's GPT-4** using the Python package [instructor](#) by Jason Liu.
 - Input: the text string “Is the total population of [the eastern neighbor of the country where the father of the 44th U.S. president was born] similar in size to the total population of [the U.S. state that has the largest population at risk of earthquakes]?”.
 - Output: this report as an R Markdown text file.
- **GPT-4 Plan Generation:** GPT-4 autonomously generated the query plan (using code based off of an [instructor](#) example).
- **GPT-4 Plan Execution:** GPT-4 then autonomously executed the plan, which involved the following:
 - writing search queries and initiating calls to [Serper \(Google Search API\)](#) for searching,
 - generating responses to the questions in the plan using the searches as context, and
 - creating all text in the Outline, Summary, and Sub-Propositions sections.
- **Python Report Generation:** The Python code then consolidated GPT-4 responses into an R Markdown text file.
- **Manual Rendering:** Manually, this section was written, the Query Plan Outline was re-formatted, and, via **RStudio**, the PDF document was rendered. No other content was manually generated or edited.