**CHATGPT u pronalasku podataka**

Pri radu na aplikaciji za filtriranje i rangiranje sveučilišta susreli smo se s problemom teškoće pronalaska podataka te manjkom podataka. Sami smo pronašli podatke za 120 sveučilišta, prvo smo odlučili provjeriti s CHATGPT-om kakve će on podatke uspjeti pronaći te koliko će se razlikovati od naših podataka. Ako bismo se uvjerili da stavlja poprilično točne podatke proširili bismo naš skup podataka na 1000 sveučilišta generiranih od njega i na temelju tih podataka odradili filtriranje i rangiranje sveučilišta.

Na početku pokušaj da CHATGPT odmah iz generira cijelu tablicu (u promptu su opisani svi potrebni parametri te države koje nas zanimaju):

1. **PROMPT**

I am working on an application in which I need accurate dataset containing universities with parameters that consist of:

* university (name of the university)
* collegeRank (global ranking of university)
* tuition (EUR/year) (how much is paid each year to study at the university, price needs to be in euros)
* percOfIntStud (percentage of international students based on all students)
* acceptance rate (how many people manage to get into the university in percentage)
* avgSafetyIndex (how secure is the country, how many crimes they have, and based on that index in the range from 0 to 100)
* cost of living (this consists of how much monthly persons pays on groceries, restaurants, transportation, and utilities excluding rent, price needs to be in euros)
* rent (monthly average for rent in euros)
* groceries (monthly average for groceries in euros)
* recreationCost (EUR/month) (monthly average for recreation and culture in euros)
* healthcare price (average out of the pocket spend on healthcare per year in euros) –
* avgMntTransportCost (average transportaion price in euros per month)
* link (link for the university)
* and each of the columns: Computer Science, Business, Economics, Psychology, Biology, Law, Medicine, Mathematics, Art, Physics they have values 1 or 0 based on the fact if university has these majors

The parameters avgSafetyIndex, cost of living, rent, groceries, recreationCost, healthcare price, avgMntTransportCost are based on the city in which university is located.

I want you to find me data for these countries:

Albania

Algeria

Argentina

Armenia

Australia

Austria

Azerbaijan

Bahamas

Bahrain

Bangladesh

Barbados

Belarus

Belgium

Bolivia

Bosnia And Herzegovina

Botswana

Brazil

Bulgaria

Cambodia

Cameroon

Canada

Chile

China

Colombia

Costa Rica

Croatia

Cuba

Cyprus

Czech Republic

Denmark

Dominican Republic

Ecuador

Egypt

El Salvador

Estonia

Fiji

Finland

France

Georgia

Germany

Ghana

Greece

Guatemala

Hong Kong

Hungary

Iceland

India

Indonesia

Iran

Iraq

Ireland

Israel

Italy

Jamaica

Japan

Jordan

Kazakhstan

Kenya

Kosovo

Kuwait

Kyrgyzstan

Latvia

Lebanon

Libya

Lithuania

Luxembourg

Malaysia

Malta

Mauritius

Mexico

Moldova

Montenegro

Morocco

Nepal

Netherlands

New Zealand

Nigeria

North Macedonia

Norway

Oman

Pakistan

Palestine

Panama

Paraguay

Peru

Philippines

Poland

Portugal

Puerto Rico

Qatar

Romania

Russia

Saudi Arabia

Serbia

Singapore

Slovakia

Slovenia

South Africa

South Korea

Spain

Sri Lanka

Sweden

Switzerland

Syria

Taiwan

Tanzania

Thailand

Trinidad And Tobago

Tunisia

Turkey

Uganda

Ukraine

United Arab Emirates

United Kingdom

United States

Uruguay

Uzbekistan

Venezuela

Vietnam

Zimbabwe

For each country find the best university based on ranking and based on chosen university for each country write down other parameters for it.

Make me an excel file for this dataset.

1. **ODGOVOR**

Slika na kojoj se prikazuje tekst, Font, snimka zaslona, pismo

Opis je automatski generiran

U prvom odgovoru ne odgovara s popunjenom tablicom već navodi izvore u kojima trebamo potražiti navedene podatke.

Također postavlja brojne linkove:

* <https://www.usnews.com/education/best-colleges/slideshows/universities-with-the-highest-international-student-acceptance-rates>
* <https://www.numbeo.com/cost-of-living/>
* <https://www.topuniversities.com/student-info/student-finance/tuition-fees-worlds-top-universities>
* <https://www.topuniversities.com/university-rankings-articles/world-university-rankings/top-universities-international-students>
* <https://terratern.com/blog/most-expensive-countries-in-the-world/>
* <https://www.worldtrips.com/resources/affordable-us-colleges-for-international-students>
* <https://fastercapital.com/content/Cost-of-Living--Cost-of-Living-Index-and-Factors-for-Different-Countries-and-Cities.html>
* <https://fastercapital.com/topics/comparing-the-cost-of-living-across-countries.html/1>
* <https://www.shiksha.com/studyabroad/universities-with-the-highest-percentage-of-international-students-articlepage-184784>
* <https://www.globalpassport.ai/blog/costa-rica-cost-of-living-expert-guide-2024>
* <https://www.timeshighereducation.com/student/best-universities/international-student-table-2018-top-200-universities>
* <https://housinganywhere.com/Spain/cost-of-living-in-spain-compared-to-the-world>
* <https://educationdata.org/average-cost-of-college-by-country>
* <https://www.movingto.io/it/cost-of-living-italy>
* <https://www.niche.com/colleges/search/top-colleges-for-international-students/>
* <https://www.gooverseas.com/blog/10-universities-where-you-can-study-abroad-in-english>
* <https://www.dewittmove.com/cost-of-living-in-switzerland/>
* <https://www.statista.com/statistics/297132/top-host-destination-of-international-students-worldwide/>
* <https://internationalliving.com/countries/spain/cost-of-living-in-spain/>

Najviše se usredotočio na traženje izvora vezanih uz troškove života, a od država se usredotočio na Costa Ricu, Španjolsku, Italiju i Švicarsku.

1. **KONVERZACIJA**

Nakon još nekoliko neuspješnih promptova u kojima je samo odgovarao kako će sakupljati podatke te da već skuplja podatke. Na prompt šta je do sada uspio napraviti šalje Excel tablicu University\_Dataset\_Partial u kojoj se nalazi svega 5 države koje su: Australija, Austrija, Kanada, Njemačka i Japan. Iako je prije slao linkove za države Costa Ricu, Španjolsku, Italiju i Švicarsku za njih se na kraju nije odlučio pri biranju prvih 5 država za obradu.

Podaci koji se nalaze u tablici su uvelike slični našima osim kod parametra safety indeks gdje on stavlja poprilično velike brojeve. Svi njegovi brojevi su zaokruženi (na primjer za Austriju za University of Vienna smo pronašli da je školarina 1453 eura, on to zaokružuje i stavlja na 1500 eura). Također linkovi koji predstavljaju odlazak na stranicu pojedinog sveučilišta uspješno rade.

1. **KONVERZACIJA**

Slika na kojoj se prikazuje tekst, snimka zaslona, Font, broj

Opis je automatski generiran

Nakon prompta gdje ga ispitujemo za cijelu tablicu uviđamo da očito nije u mogućnosti odmah pronaći sve podatke pa smanjujemo naš zahtjev na 20 država. Nije u mogućnosti pronaći odmah za 20 država nego samo šalje za 2, a šalje tablicu naziva University\_Dataset\_20\_Countries iako se u tablici nalazi samo 7 država sveukupno (uz početnih 5 dodaje Ujedinjeno Kraljevstvo i Indiju).