**CS306 Group Project – Step 1**

**Group Number 16**

Berke Ceylan 27895

İsmail Çakmak 29496

Nisa Erdal 28943

Salih Kaya 27890

Yunus Topçu 28880

Can be accessed at <https://github.com/Salihmaya/CS306_Group16>

**Tobacco Consumption: Causes and Effects**

**Introduction**

The Project proposes to create a database of tobacco consumption related data and to obtain meaningful correlations between its causes and effects, of which will be filtered and visualised accordingly. Selection of different datasets are conducted with the purpose of finding relevant attributes, which are all ordered by location and time entries. In further steps of the project, countries and their given data will be filtered by commonly shared time periods in order to provide consistent analysis. Although it is yet to be decided, these findings and interpretations will be presented in a user-friendly website to showcase the end user experience of a Database System.

**Methods**

There are currently five different tables in the project as depicted both in the ER diagram and as separate “.csv” files in the GitHub folder. ISO codes, country names and years are all shared between the datasets and they are named as the following:

* Support to help quit smoking
* Enforcement of bans on tobacco advertising
* Taxes as a share of cigarette price
* Share of deaths that are attributed to smoking
* Lung cancer death rates

From the raw data provided by “ourworldindata.org”, each dataset was transferred from text to columns (to comply with the excel format) and was checked for duplicates. Since the datasets were selected individually, no separation of columns was conducted. Power Query was used to test and compare data points for deciding on whether the dataset in question would be relevant or not.

**Results**

***Insert the ER Diagram here.***

***Point out that updated CSV files are also in the GitHub folder***

**References**

Our World in Data. (n.d.). *Enforcement of bans on tobacco advertising*. Retrieved March 14, 2023, from https://ourworldindata.org/grapher/enforcement-of-bans-on-tobacco-advertising

Our World in Data. (n.d.). *Share of deaths from smoking*. Retrieved March 14, 2023, from https://ourworldindata.org/grapher/share-deaths-smoking

Our World in Data. (n.d.). *Lung cancer deaths per 100,000 by sex*, 1950-2002. Retrieved March 14, 2023, from https://ourworldindata.org/grapher/lung-cancer-deaths-per-100000-by-sex-1950-2002?country=ESP-1~ESP~ESP~USA-1~USA~USA

Our World in Data. (n.d.). *Taxes as share of cigarette price*. Retrieved March 14, 2023, from https://ourworldindata.org/grapher/taxes-as-share-of-cigarette-price?tab=chart

Our World in Data. (n.d.). *Support to help to quit tobacco use*. Retrieved March 14, 2023, from https://ourworldindata.org/grapher/support-to-help-to-quit-tobacco-use