Routine data monitoring – Practical 28/11/2024
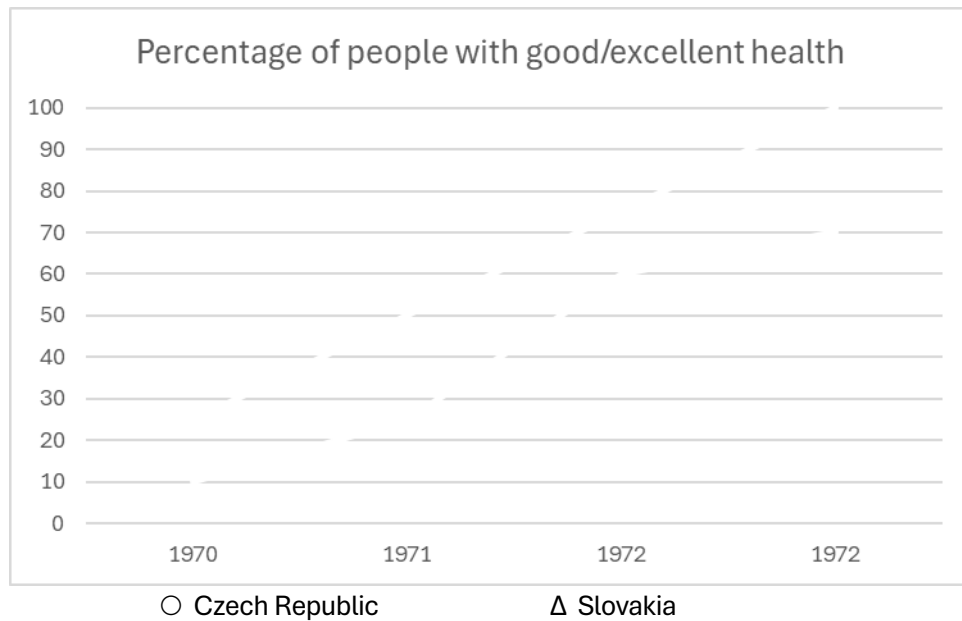
Part 1

Using the webpage of GBD answer the following questions:

1. What causes contribute more to DALYs globally up to 2021: Chronic diseases, infectious and neonatal diseases, or injuries?

2. What causes contribute more to YLDs globally up to 2021: Chronic diseases, infectious and neonatal diseases, or injuries?

3. In which sex COVID19 caused more deaths?

4. What was the main cause of death in Czechia in 2021?

5. Compared with high socio-demographic index (SDI) countries, what was the difference in death rate in Czechia in 2021?

6. What are the categories of risk factors in GBD webpage?

7. High systolic blood pressure is a risk factor for multiple diseases. Identify all the diseases that can benefit of blood pressure control and write the respective attributable risk percentage.

Part 2

Based on the dataset provided answer the following questions:

1. What is the most frequent cause of death by country?

2. Complete the chart of good/excellent health by: Czech Republic (1) vs Slovakia (2)

Percentage of people with good/excellent health

○ Czech Republic   Δ Slovakia

3. Did health improve in any country?

4. What is the most frequent cause of death in females?

5. What is the frequency of sickness in the last 3 months by age group?

Codebook Practical

Year: year of survey

Country:

      1: Czechia

      2: Slovakia

ID: Identification Number

Female:

      0: Male

      1: Female

Age_group:

      1: 20-45 years

      2: 46-70 years

      3: >70 years

Employed:

      1: Yes

      0: No

Sick_3mon: Have you been sick in the last 3 months?

      1: Yes

      0: No

Heath_sta: How you rate your health in the last 3 months?

      0: Poor

      1: Good/Excellent

Status: Dead or alive in 2024

      0: Alive

      1: Dead

Cause: Cause of death

      1: Heart attack

      2: Cancer

      3: Other

Year_dead: Year of Death

Year	Country	ID	Female	Age_group	Employed	Sick_3mon	Health_sta	ID	Status	Cause	Year_dead
1970	1	1001	1	2	1	0	0	1001	0		
1971	1	1002	0	1	1	0	0	1002	1	1	1980
1972	1	1003	1	2	1	0	1	1003	1	1	1990
1973	1	1004	0	1	1	0	1	1004	0		
1970	1	1005	1	2	1	0	0	1005	0		
1971	1	1006	0	3	1	0	1	1006	1	1	2005
1972	1	1007	1	3	0	1	1	1007	1	2	2007
1973	1	1008	0	2	0	1	0	1008	0		
1970	1	1009	1	1	0	0	0	1009	1	3	1980
1971	1	1010	1	1	1	0	0	1010	0		
1972	1	1011	0	2	1	0	1	1011	0		
1973	1	1012	1	3	1	1	1	1012	1	1	1992
1970	1	1013	0	2	1	0	1	1013	0		
1971	1	1014	1	2	1	0	1	1014	1	1	2015
1972	1	1015	1	1	1	0	1	1015	0		
1973	1	1016	0	2	1	0	1	1016	1	2	2007
1970	1	1017	1	3	0	1	0	1017	1	3	1980
1971	1	1018	0	1	0	0	0	1018	1	1	1972
1972	1	1019	1	1	1	0	0	1019	1	2	2003
1973	1	1020	0	2	1	0	1	1020	1	3	2008
1970	1	1021	1	3	1	0	0	1021	1	1	1980
1971	1	1022	0	1	1	1	1	1022	0		
1972	1	1023	1	2	1	0	0	1023	0		
1973	1	1024	0	3	1	1	1	1024	1	1	2001
1970	1	1025	1	1	1	0	0	1025	0		
1971	1	1026	0	2	1	1	1	1026	1	1	1998
1972	1	1027	0	3	1	1	0	1027	1	2	2000
1973	1	1028	0	1	1	0	1	1028	1	1	1995
1970	1	1029	0	2	0	0	0	1029	1	1	2013
1971	1	1030	1	3	1	0	0	1030	1	3	1986
1972	2	1031	1	1	1	0	0	1031	1	1	2020
1973	2	1032	0	2	1	0	0	1032	0		
1970	2	1033	1	3	0	0	0	1033	1	1	2003
1971	2	1034	0	1	0	0	0	1034	1	2	2020
1972	2	1035	1	2	1	0	0	1035	1	2	2005
1973	2	1036	0	3	1	1	1	1036	1	1	1979
1970	2	1037	1	1	1	1	1	1037	0		
1971	2	1038	0	2	1	1	1	1038	1	3	1998
1972	2	1039	1	3	1	1	0	1039	1	2	1996
1973	2	1040	0	1	1	0	0	1040	1	2	2005
1970	2	1041	1	2	1	0	0	1041	1	1	2000
1971	2	1042	0	1	1	0	0	1042	0		
1972	2	1043	1	1	1	0	0	1043	0		
1973	2	1044	0	2	0	0	0	1044	0		
1970	2	1045	1	3	0	1	0	1045	1	2	1996
1971	2	1046	0	1	0	0	0	1046	1	2	1980
1972	2	1047	1	2	1	0	1	1047	1	3	1986
1973	2	1048	0	3	1	1	1	1048	1	1	2002
1970	2	1049	1	1	0	0	0	1049	0		
1971	2	1050	0	2	1	0	1	1050	0		
1972	2	1051	1	3	1	1	1	1051	1	2	1978
1973	2	1052	0	1	1	0	0	1052	0		
1970	2	1053	1	2	1	0	1	1053	0		
1971	2	1054	1	1	1	0	0	1054	1	2	2015
1972	2	1055	0	2	1	0	0	1055	1	1	1998
1973	2	1056	1	1	1	0	0	1056	1	1	2020
1970	2	1057	0	2	1	0	0	1057	0		
1971	2	1058	1	3	0	1	0	1058	1	3	1980
1972	2	1059	0	1	1	0	0	1059	1	2	2021
1973	2	1060	1	2	1	0	0	1060	0		