HW:
-finding raw data on cancer and aging
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8003441/figure/cancers-13-01400-f001/

https://gco.iarc.fr/today/online-analysis-table?v=2020&mode=cancer&mode_population=continents&population=900&populations=900&key=asr&sex=0&cancer=39&type=0&statistic=5&prevalence=0&population_group=0&ages_group%5B%5D=13&ages_group%5B%5D=17&group_cancer=1&include_nmsc=1&include_nmsc_other=1

https://www.nature.com/articles/s43587-022-00231-x

https://www.mdpi.com/2072-6694/13/6/1400

→ which aspects cause cancer: particularly aging
→ they are, but **how much** ageing and cancer are correlated
→ anova test will be used

There are numerous causes leading to a ghastly disease, cancer: mainly lifestyle factors, inheritance, genetic disorders, environmental exposures and so on. Among these factors, the biggest factor is known as aging, reviewing data of which factors contribute to diverse cancer. It is pretty certain that aging and cancer are correlated, but in this data review, one is looking forward to evaluating how much (the figure, amount) they actually are. Doing so, anova test will be used through a programming app ® Studio

-writing the intro
→ why this topic catches my attention
→ what I expect through this experiment (if age and cancer correlate, we are containing 방 in our future: which actions should take place in the future)
→ this data analysis' objective

Living since, nothing has been clear on what causes this malicious disease, cancer. Although doctors and researchers put effort into seeking the mystery, people suffered cancer and ultimately faced death. However, one thing is in doubt: are cancer and ageing correlated, seeing numerous data worldwide? The advent of cancer is more frequent in the old generation than in the young, other statistics suggest. By figuring out specific data from this experiment, I aim to encourage people to do such actions; if it comes out they are actually correlated, I wish the world acknowledges the alertness and encourages the elderly to take health screenings once a year. The notion that is distinct but many people don't take seriously is that severe outcome due to cancer is something that can be prevented by checking your body. This data analysis's objective is to figure out the correlation between ageing and cancer, and whether they affect each other, deriving a negative consequence. And if so, my underlying goal is to alert people you can actually stop your death.

[hypothesis question]
-which cancer is correlated most (relatively)
-if they (ageing & cancer)are actually correlated

group - anova test (grouping)

pubmed
google scholar

Reference paper
1.
2.
3.

breast cancer / sex / age group

breat cancer age group <1yr / 1-10yr/

breast cancer female vs male

merge or select function

each leading cancer site 마다 sex와 age group 별로 cancer incidence count가 얼마인지 histogram

https://github.com/sharonjung08/1st-repository

→ github upload

EDA

HW = groupby 를 써서 여러가지의 cancer site 별로 incidence rate
dependent variable: each cancer (e.g. x= Year, y = breast cancer)
github에 upload