Stat. Cary. Oct 6th What I Statistics all about ? Science of analysing, interpreting, presenting determined the statistics is about finding the balance between the two data Data- and how it came about is absolutely crucial for producing results of value Garbage in -> Garbage cut to generale information from date >> predictive ability Let's fecus on the data side:

weather data, e.g. for climate woodels

- survey, like general census

- patient data

- unnercal data () images or news paper
tabular data

more complicated Levere complicated

- Banding or financial institution date

- operational data from online sheps and
other service provides

le man have how. Date may have been collected for the purpole of being analysed for a specific research question, e.g. a dedicated study for an new should include all impostant aspects that are needed for answeing the research question

- lig effort / expensive / slaw could so wrong for all sorts of binner, e.g. covid vaccination rate of students

tudents were asked in serveys, tatel of 80% or even 90%

vaccinated were reported

Real Dido: Marchen in 12 --- D · Real life: many instances of only 2/3 or ever only 50% vaccinated. Assuming the Survey targeted a representative sample of students bias will result four differential auswering behavior. Always take a skeptical look at your data and think about what winght Dias That's even more important if your date were not specifically collected for the purpose of your research question.