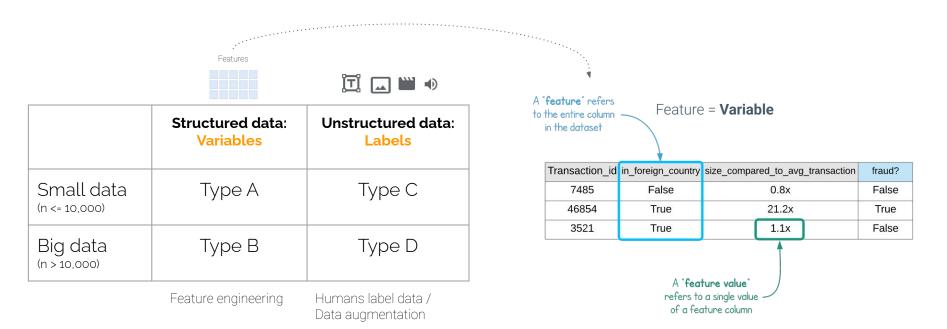
Plan

3) identify variables

Prof. Dr. Jan Kirenz

Mainly relevant for classical ML projects (not Gen AI)

4 Major **types** of data science projects



If we have unstructured data, we need to identify relevant labels



Computer vision



Natural language processing



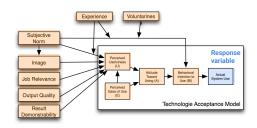
Audio processing

Source: AWS (2021) Prof. Dr. Jan Kirenz

For **structured data** problems, we need to identify potentially relevant **variables**

- Goal: show the primary variable of interest (response variable) and possible factors (explanatory variables)
 - explanatory variable → might affect → response variable
- Speak to domain experts
- Do literature research (e.g., using google scholar) to identify possible relationships between variables
- (In business use cases you can also use a strategy map see appendix)





Venkatesh & Davis (2000)