## LIAM LAB

# O1 - DS/DA Course Goals & Timeline

## Act I: The Role of Data

## How do Apps work?

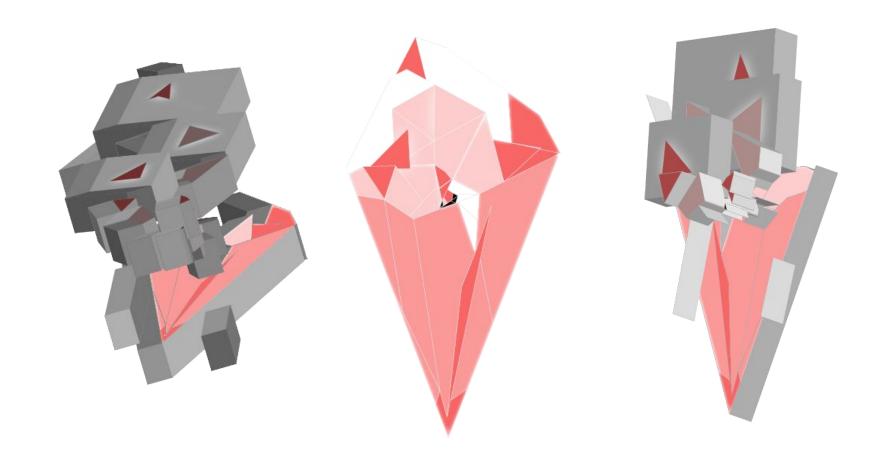


## BACK-END DATABASE

QUERY

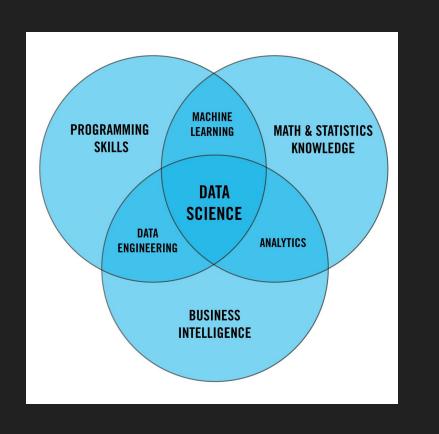
ML ALGORITHM

FRONT-END APP



Data can look like all sorts of stuff (types), but it gets put into some pipeline to get to where it needs to be, wherever that is.

That pipeline can be referred to as an Extract, Transform, Load (ETL) pipeline, a data ingestion pipeline, or just a pipeline.



Act II: The Road North

The entire statistics curriculum

About a month

As we go, we can do programming exercises that deal with these topics.



Python, SQL





Applied statistics in Machine Learning

About two months

We will go through all the algorithms you might want/need to know



Python, SQL





Act III: Abschied

Material gains

Throughout the course

As we go, let us do some projects, like art people (artists)!

We can end by making some GitHub portfolios shiny, or even use AWS to host a website.