1. Demographics:
   1. Gender
      1. Is the hiring of data scientists gender biased? What is the impact of gender on attrition? [Easy Code] Aash
   2. City
      1. Which are the top 10 cities the company hires from? and their corresponding CDI. (the higher the CDI, the more urban the city is) Aash
      2. How is CDI correlated with an individual’s education level? Aash
      3. Relationship between CDI and city code. Aash
   3. Education
      1. What are the top 5 education backgrounds for the data scientist (based on major discipline) Caroline L
      2. What are some education characteristics for those candidates who are staying? Caroline L
   4. Job history
      1. No Gap/Yes Gap: will the gap years of jobs affect whether a candidate is staying or leaving? Caroline G
      2. Is the hiring of Data Scientists impacted by their previous experience? Caroline G
      3. Does the type of the candidate's current company affect his decision? Jacinto
      4. Does the size of the candidate's current company affect his decision? Jacinto
      5. What type of company do most company hires come from? Jacinto
      6. What company size do most candidates come from? Jacinto
2. Training and Retention
   * 1. how much training hours does the company invest in its future employees ( we can plot a histogram of training hours.) Chris
        1. Will candidates enrolled in university experience longer or shorter training hours? Chris boxplot
        2. Does company size/type affect the number of training hours? Chris boxplot
        3. How long should the candidates get trained if the STEM candidates have relevant experience? Caroline G
           1. Stem with relevant experience, stem with no relevant experience, nonSTEM-revelvant, nonSTEM VS non-revelvant,

One vs training hours; the other vs target

* + 1. Is it a fact that: the longer the candidate is being trained, the higher chance he/she will stay? How should we adjust the training hours as a HR? Caroline L (make buckets for training hours )
    2. Do people with higher education levels affect the company size and type they work in? E.g. If they have master degrees, they tend to get into a larger company. Jacinto

Deliverable finalization

CausoNex Library

~~What are top 3 common characteristics for those candidates who are staying?~~

Is it a fact that: the longer the candidate is being trained, the higher chance he/she will stay? How should we adjust the training hours as a HR?

\*Education: What are some education characteristics for those candidates who are staying? (Most of them currently not enrolled in the university; they are graduate students; they major in STEM. ) ---> a series of 3 charts can describe

\*job: Will the gap years of jobs affect whether a candidate is staying or leaving?

Which are the top 10 cities the company hires from? and their corresponding CDI

What are the top 5 eduction backgrouds for the data scientist (based on major discipline)

Is the hiring of data scientist gender biased? What is the impact of gender on attrition.

IS the hiring of Data Scientist impacted by their previous experience? Does the company hire people from non DS backgrounds? (based on revelant expereince.)

how much training hours does the company invest in its future employees ( we can plot a histogram of trainng hours.)

1. How is CDI correlated with an individual’s education level?
2. Do people with higher education levels affect the company size and type they work in?
3. How significant is gender when it comes to the size and type of company they work in?
4. Does company size/type affect the number of training hours?
5. Do people with a STEM degree require less training hours compared to non-STEM degrees?

* ​​Relationship between CDI and city code.
* How long should the candidates get trained if the candidates have relevant experience?
* Will candidates enrolled in university experience longer or shorter training hours?
* Will the factor of last\_new\_job affect their decision?
* Will candidates with longer ‘experience’ / have ‘relevant experience’ are more likely to stay?
* Does the type of the candidate's current company affect his decision?
* Does the size of the candidate's current company affect his decision?
* What type of company do most company hires come from?
* What company size do most candidates come from?