



GAMMA Hackathon

2020-11-18



Ways of working



You will be in groups of 2-5 persons delivering **one** submission per group



If you are not co-located in the team, we suggest you to have frequent check-ins with each other using the communication tool of your choice

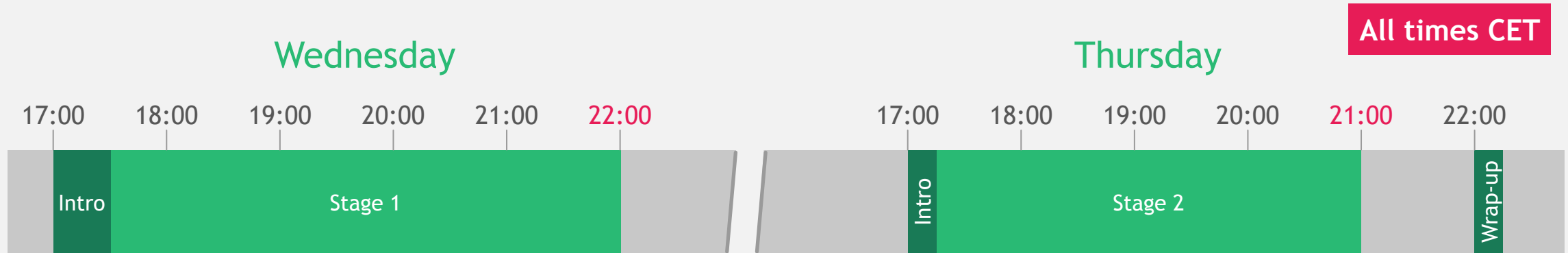


For code collaboration we suggest you make a shared repository on **GitHub**, this way the team can easily split task on data cleaning, visualisation and modelling



Each team will be assigned a Gamma consultant, with whom you can schedule check-ins if you are stuck, need validation of approach or something else

Overview of GAMMATHON timeline



- Competition will start after this intro session
- You **must** send in your stage 1 submission **before 22:00**
- Competition will then adjourn until Thursday 17:00
- There is no benefit in continuing to work during the pause

- Competition resumes at 17:00
- You **must** send in your stage 2 submission **before 21:00**
- Quick break to tally the results
- Winners announced at 22:00

All sessions will be in the same Zoom call

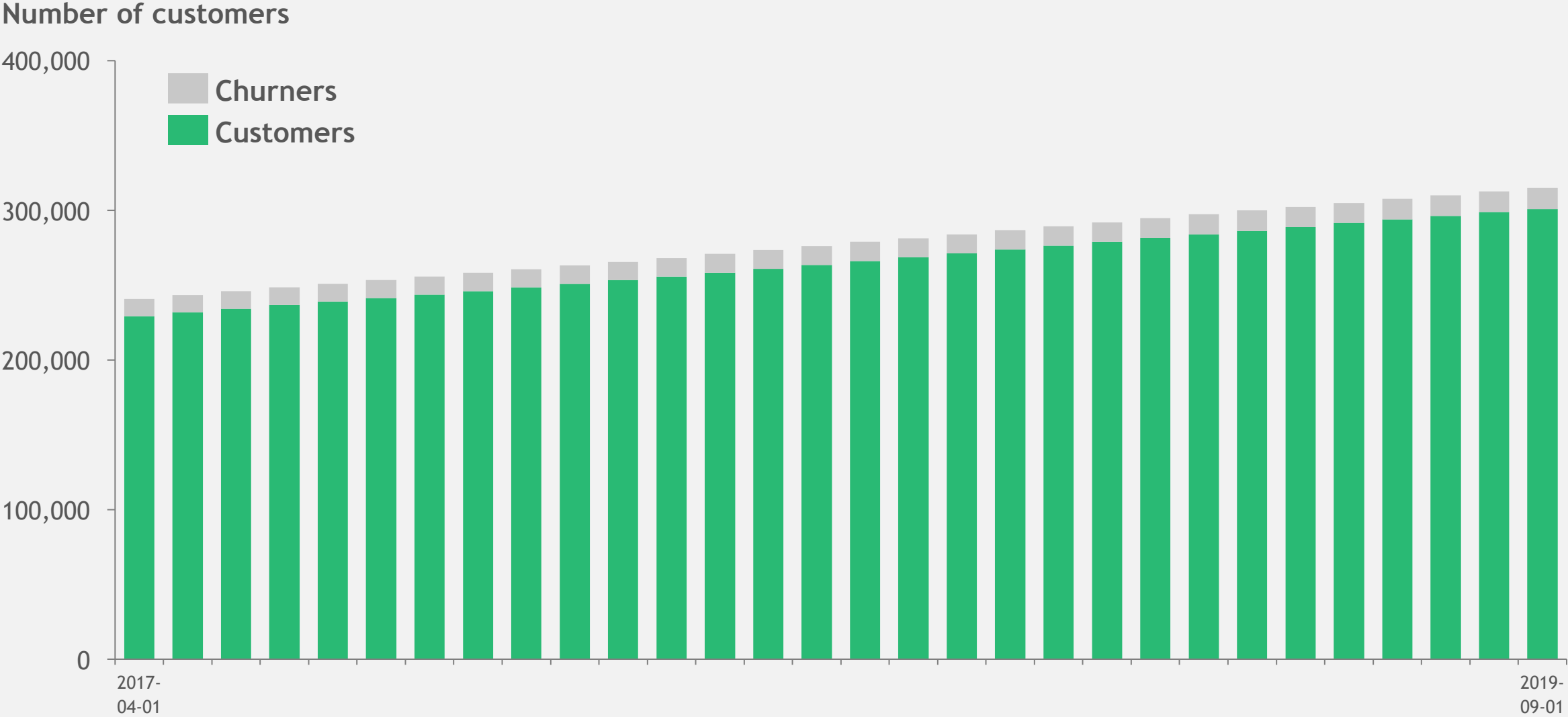
Today's challenge



Our client is Barstucks Coffee, a large coffee chain based in Seattle, WA.

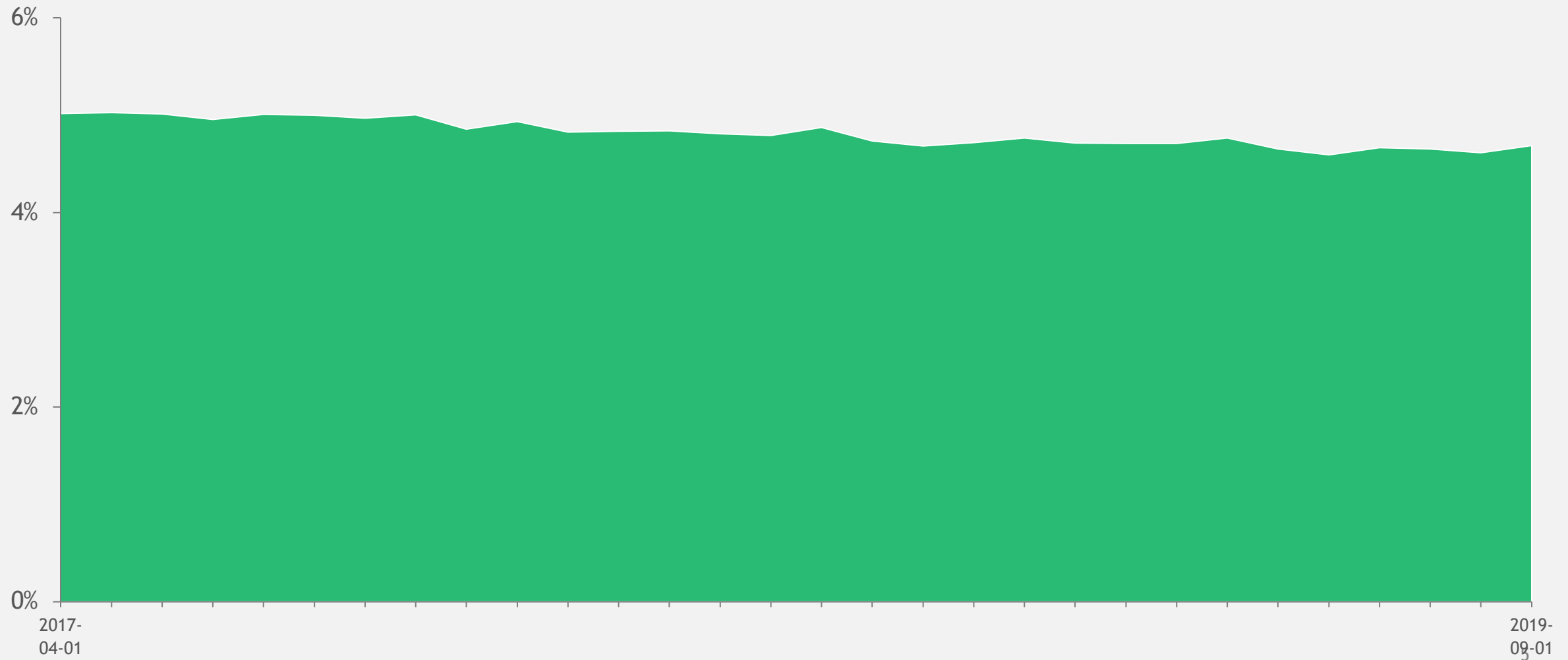
- Founded in 1971
- Serves a variety of hot and cold coffee drinks and snacks
- Today's focus is on their North American loyalty program

Our client's loyalty program is growing too slowly...

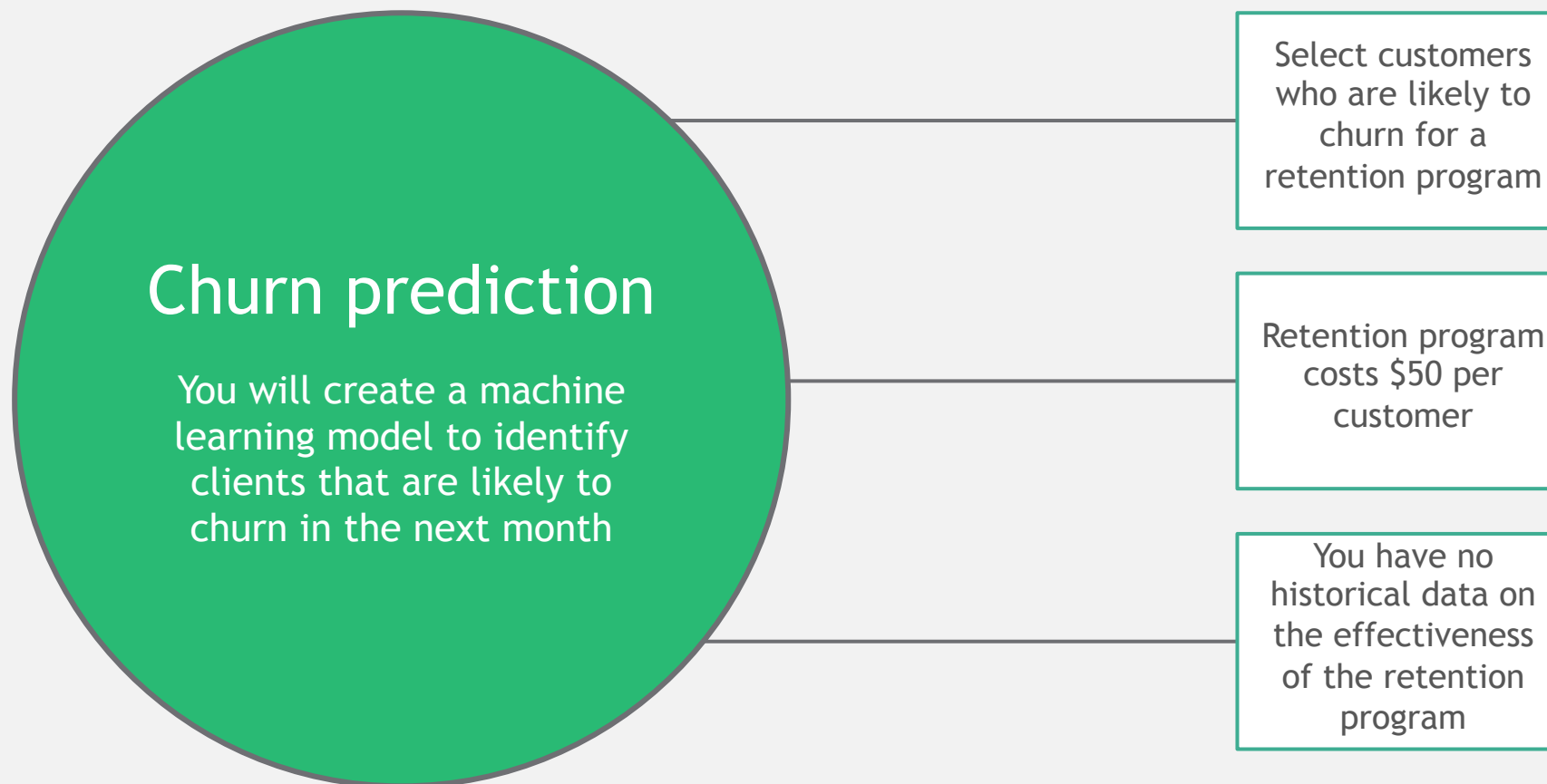


...due to a high churn rate

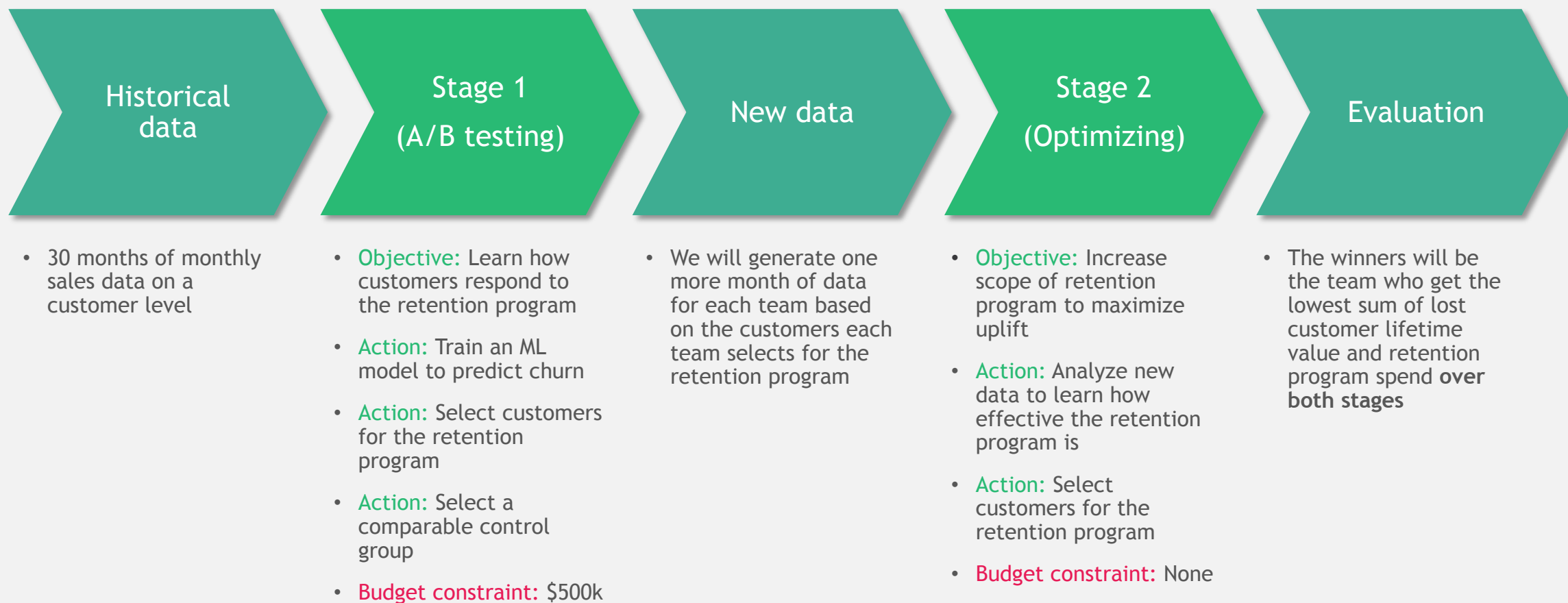
Monthly churn rate



Your task is to select customers for a retention program



You will compete in two stages

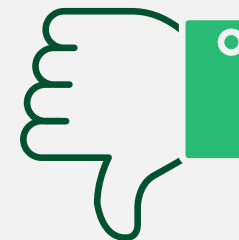


Evaluation of your retention program



Spend on retention

Each targeted customer costs
you \$50



CLV lost due to churn

We will calculate customer
lifetime value of churners

Please note you will be evaluated on your combined spend and lost CLV over both stage 1 and 2

Ground rules

Internet



You can use the Internet during the competition

Help



You will have a BCG GAMMA data scientist who you can discuss with if you get stuck

Submission



You will send your submission via e-mail to daugaard.sebastian@bcg.com

Prioritize



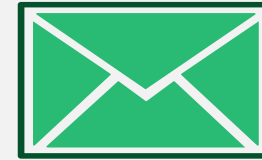
Submission deadline is:
Wednesday 22:00
Thursday 21:00

How to submit the results



Your submission should be a csv file containing only **one** column with **header** customer_id.

It should contain the ID's of the customers who should be included in the retention program



Email this file to:
daugaard.sebastian@bcg.com

The name of the file should correspond to your team name: [X.csv](#)



The deadline for submitting your list for stage 1 is Wed 22:00 CET and for stage 2 Thur 21:00 CET

You may of course submit early



[bcg.com](https://www.bcg.com)