



Data Scientist - Take Home Project

Overview

Data science at Remesh is a bit more integrated with engineering than you may have encountered before. It follows from the nature of the product and the problem solving culture at Remesh that we work in close conjunction. So, this challenge is a take-home technical project which mimics the role of R&D in developing a product feature. For this challenge, we are providing you with a dataset and a high-level objective for a new feature and asking you to provide the research and analysis that enables its implementation. You will then present your work in a follow-up interview.

Dataset

One of the many types of data we encounter on the platform is open-ended text responses (a.k.a. "thoughts") and participant preferences associated with them (a.k.a. "exercises" or "voting"). This type of dataset is generated when a moderator on the Remesh platform asks a question to the group of participants.



Get the data

The dataset is publicly available at <https://github.com/Remesh/example-question-dataset> and contains a README.md document that describes the contents in more detail.

Objective

For this project, you are going to develop and present a method of analyzing this Remesh dataset! The specific goal of your work is to enable an easily consumable summarization of the contents of the dataset, including aspects of both the text of the responses and the respondents preferences towards them. The audience of your solution is the person that asked the question to the group, so in short, they'd like a way to understand the respondents as easily as possible..

You are not not limited as to what methods, algorithms, processing techniques, etc you choose to use as this is your prerogative as a data scientist. Your solution can present the summary visually, numerically, textually and/or anything in-between, so long as it provides value towards the main objective.

Deliverable

An essential part of any good research project is conveying the results to the relevant stakeholders, so similarly here, you will present your work in a follow-up interview.

We ask that you prepare a short write-up containing:

- Background for your approach (any underlying principles, problem decomposition)
- Technical explanation of your proposed method / solution (for an R&D lead)
- Non-technical explanation of your solution (for a product designer and/or project manager)

- Example outputs of how it would operate (proof you're solution is viable or not)

In the follow-up interview, you will spend 10-15 minutes to present your solution / findings (using the write-up as a guide) followed by some questions and general discourse related to your work. It's preferable that you have a shareable version of your write-up so we can reference it during and after the presentation. You can provide this during the follow-up interview.

General Guidance

We know these studies can become a rabbit hole of possibilities, so start with what you know, abstract the problem, start simple, then iterate on improvements. If something is unclear or you have any questions at all, please reach out to us! Nothing here is intended to be a trick quick question, if something feels like it is, ask!

We expect you to spend roughly 3 - 4 hours building your solution and are intentionally using a write-up for you to convey your findings so you are able to use any tools / coding languages / analysis methods you are conformable with. We understand it takes time and effort to dedicate to a take home assignment. Because of that, **we are committed to providing you fairly comprehensive feedback on your submission regardless of whether or not we decided to move forward in the process.**