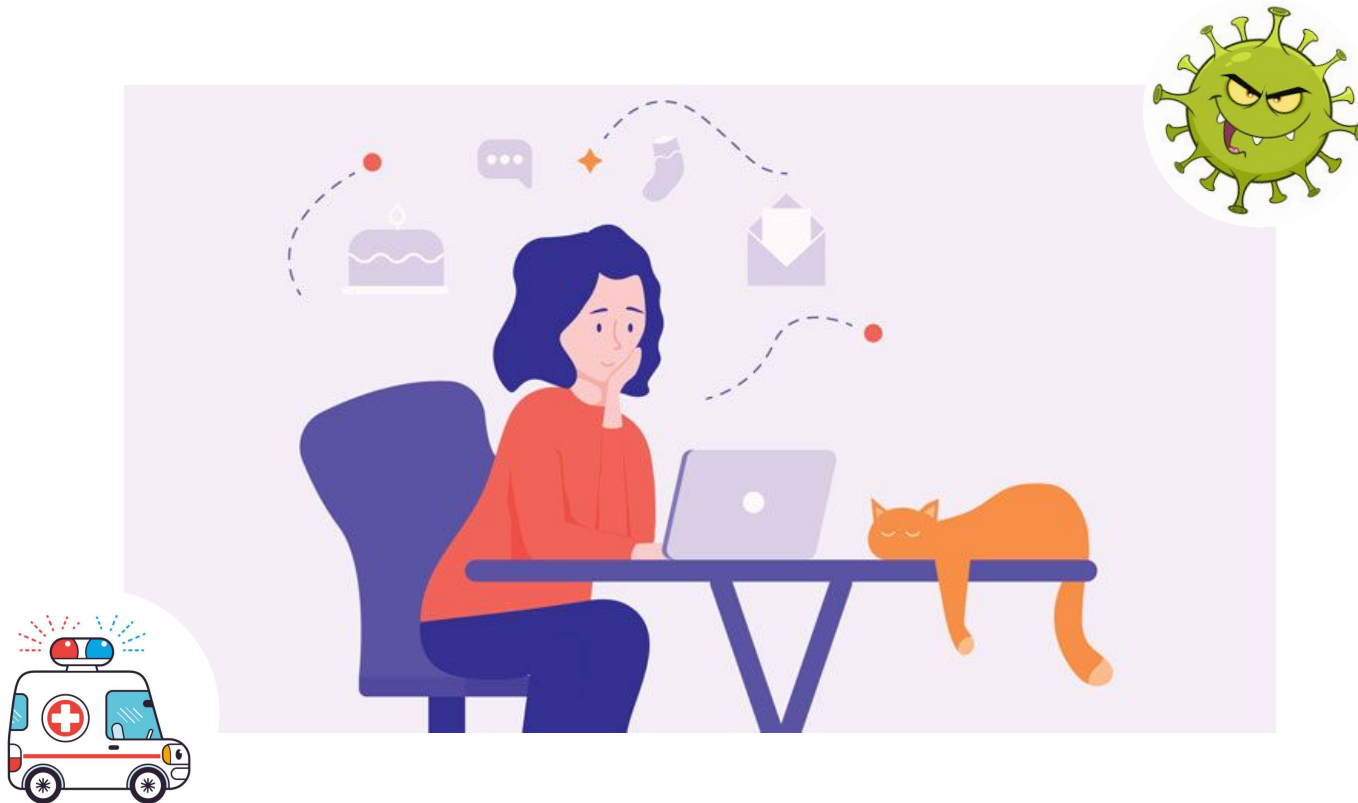


The Daily Life of Software Engineers during the COVID-19 Pandemic



The issue





The dataset

Anonymous questionnaire

192 Software Engineers

2 waves of questions

First wave: 26th - 28th April - 2020

Second wave: 10th - 13th May - 2020



<https://zenodo.org/record/4104390#.Y6CKZNjx62L>



The questions

Work style (From home, hybrid, in the office)

General well-being

Productivity

Types of tasks

Boredom

Psychological needs

Communication

Stress

Daily routines

Distractions at home

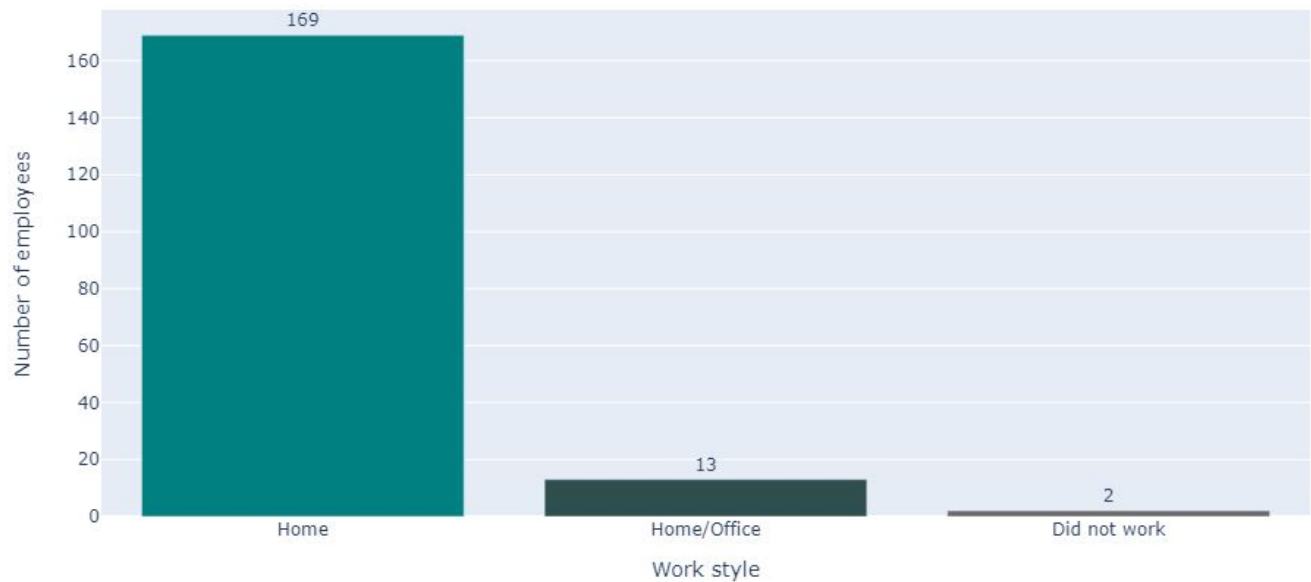



RESEARCH QUESTIONS

1. Did software engineers work more or less compared to what they expected to work?
2. Did they complete all their tasks that they were supposed to complete?
3. Did they feel more or less productive?
4. How bored did they feel?
5. How stressed out did they feel?




Work style - Second wave



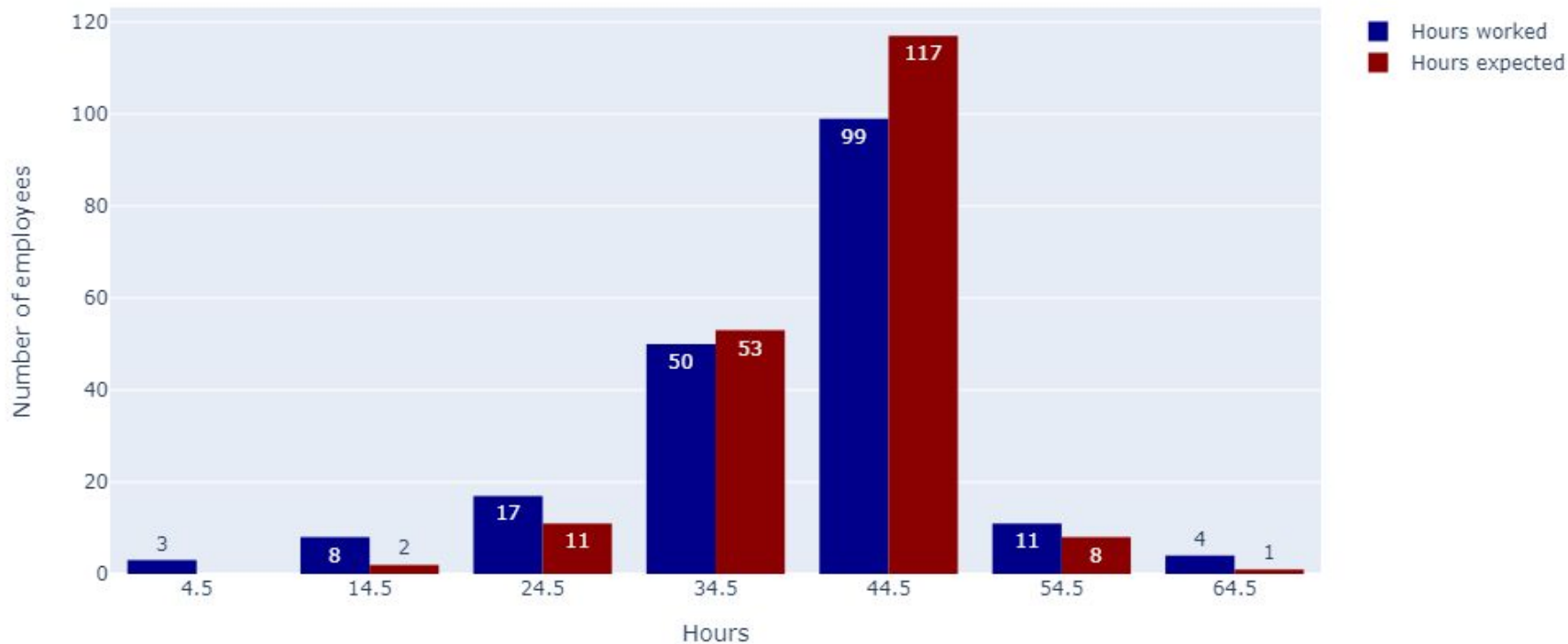


Did software engineers work more or less
compared to what they expected to work?



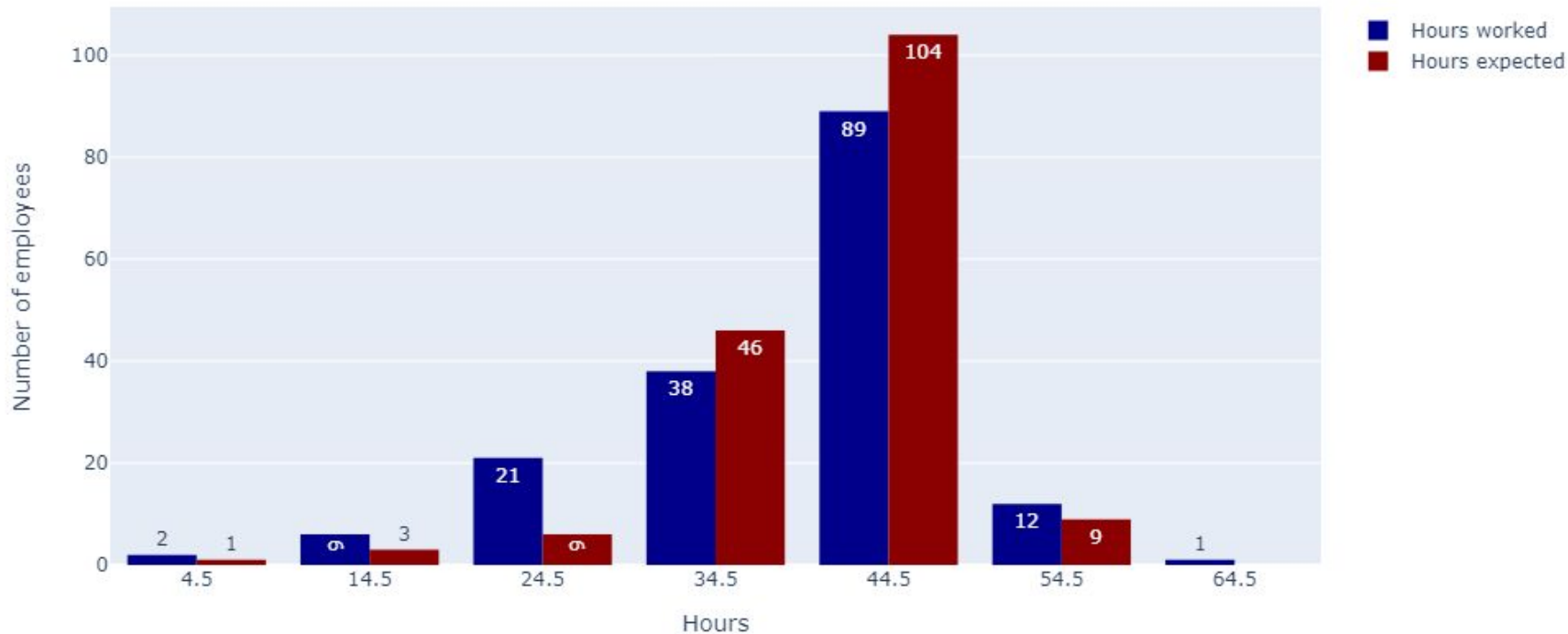


Did software engineers work more or less compared to what they expected to work? - First wave

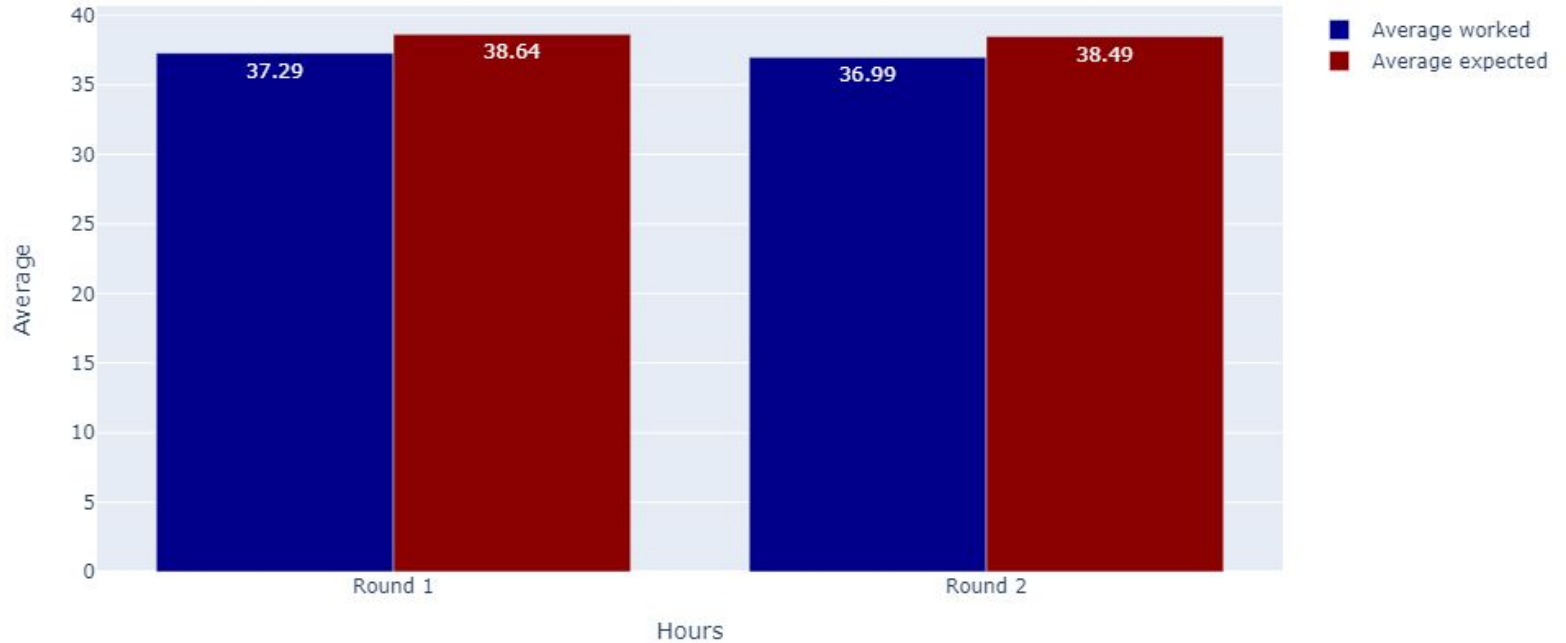





Did software engineers work more or less compared to what they expected to work? - Second wave




How much they worked and how much they expected to work on average



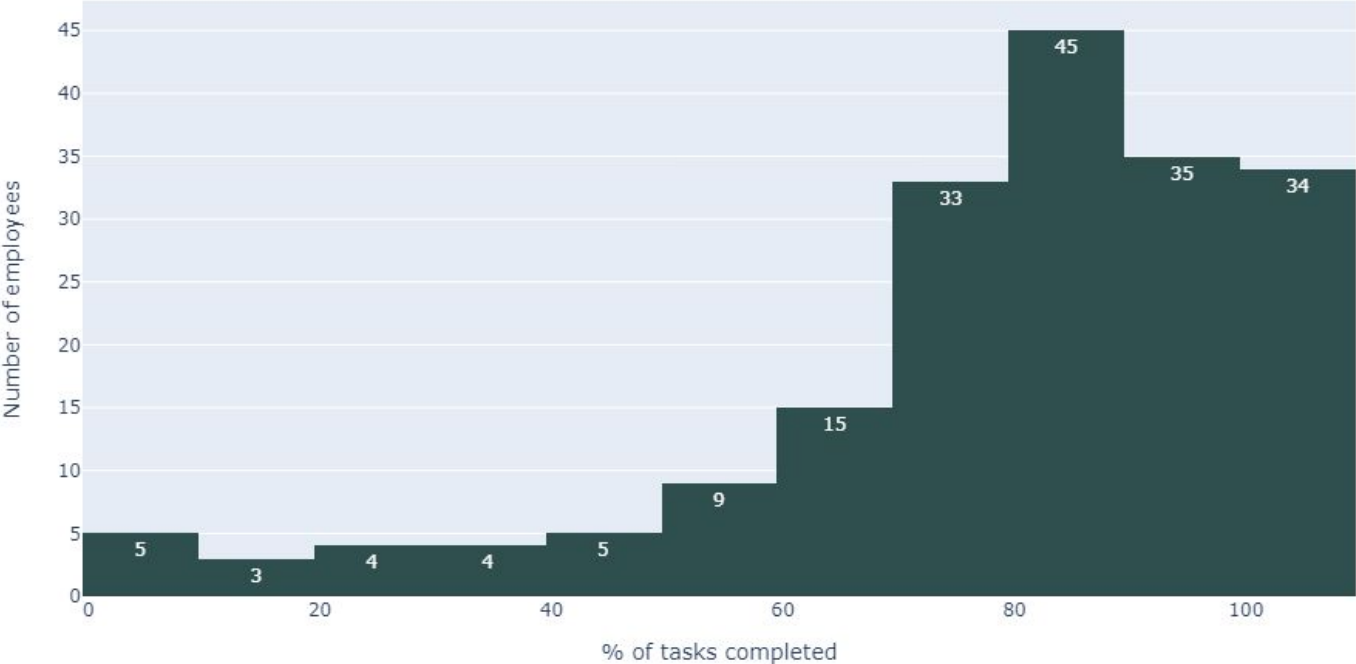


Did they complete all the tasks that they were
supposed to complete?



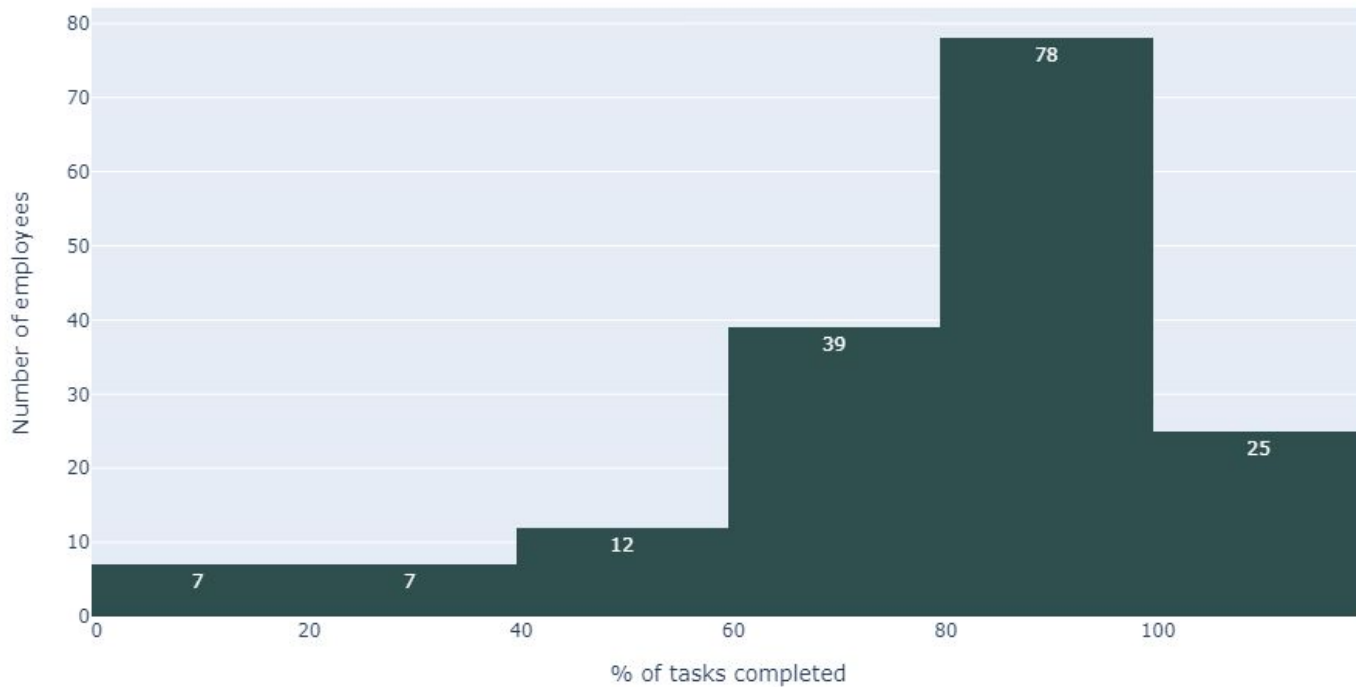


Percentage of tasks completed - First wave



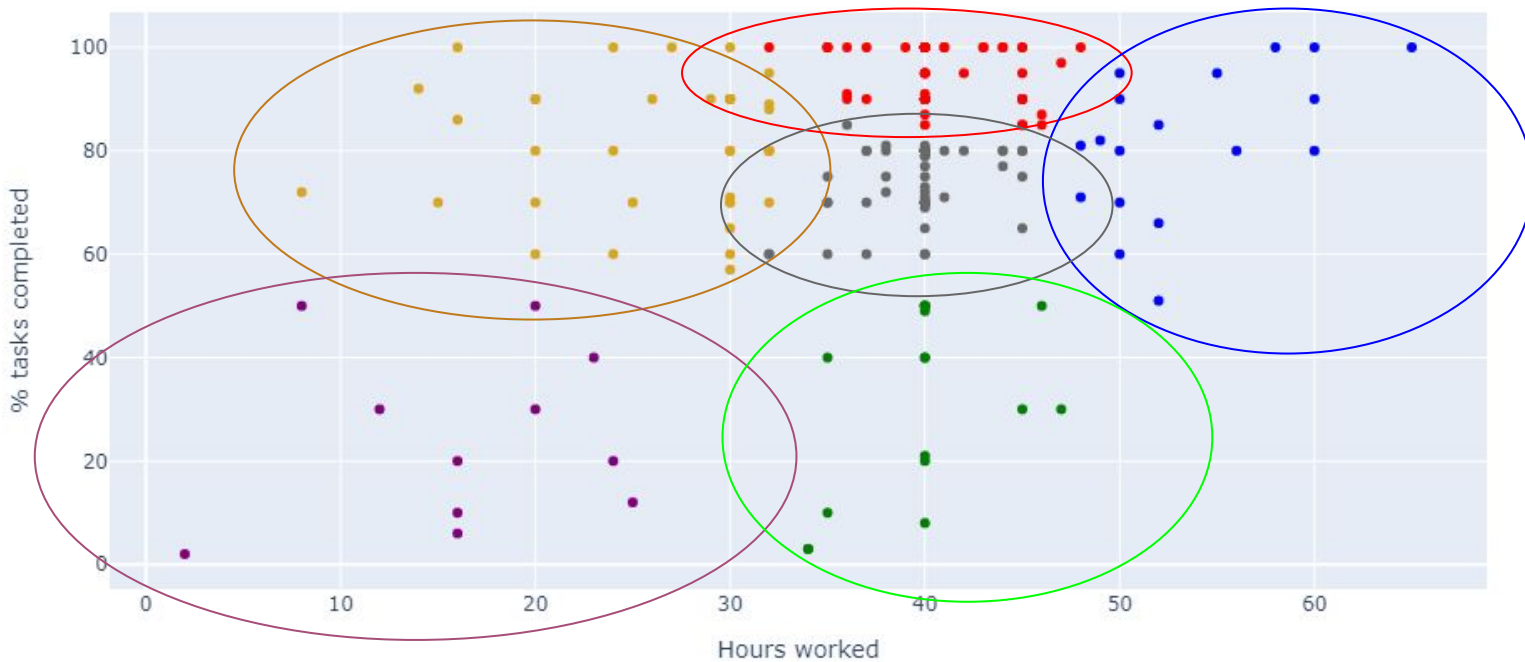


Percentage of tasks completed - Second wave

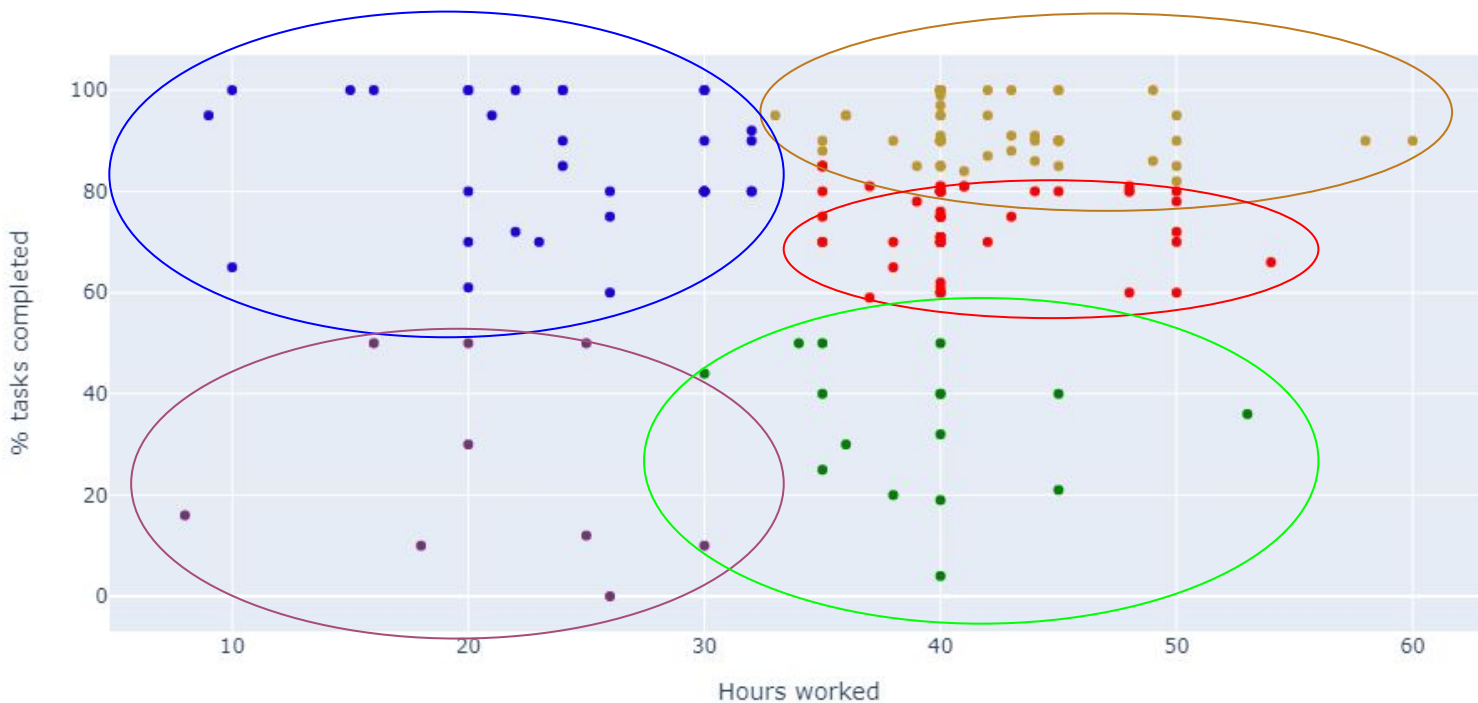




Percentage of tasks completed and amount of hours worked by different groups - First wave



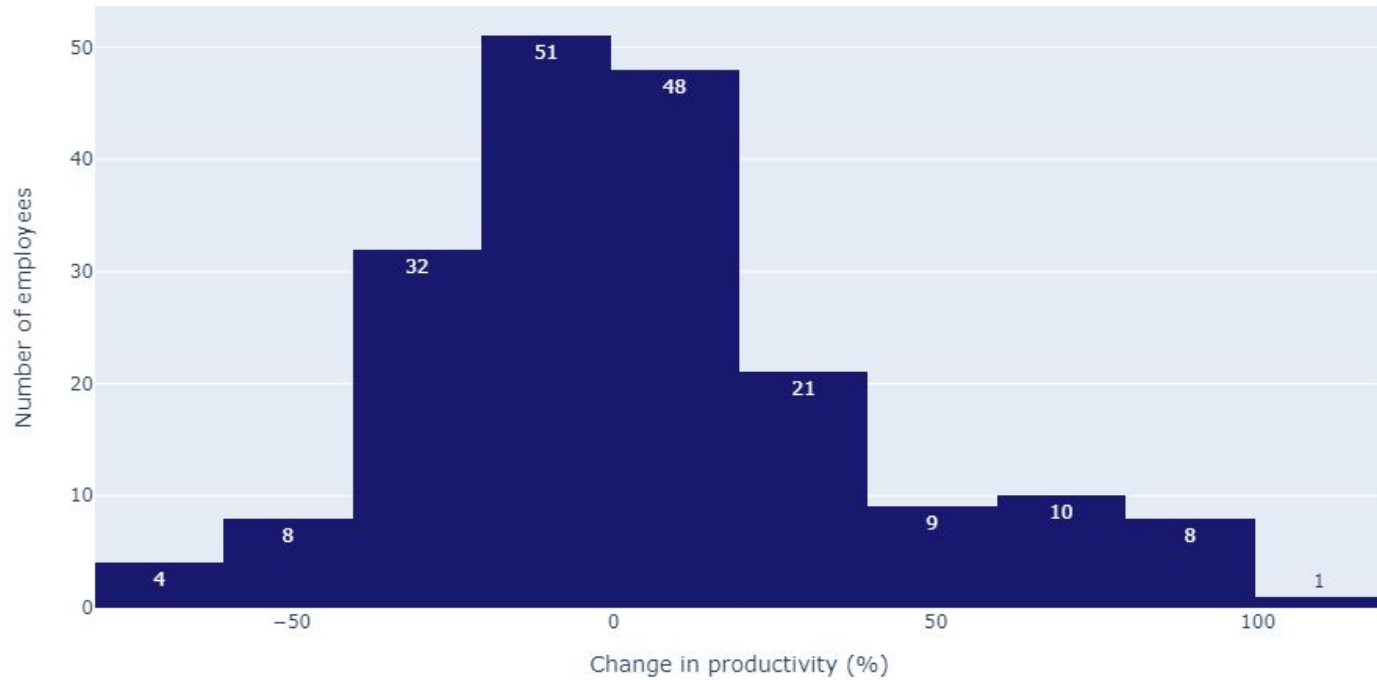
Percentage of tasks completed and amount of hours worked by different groups - Second wave



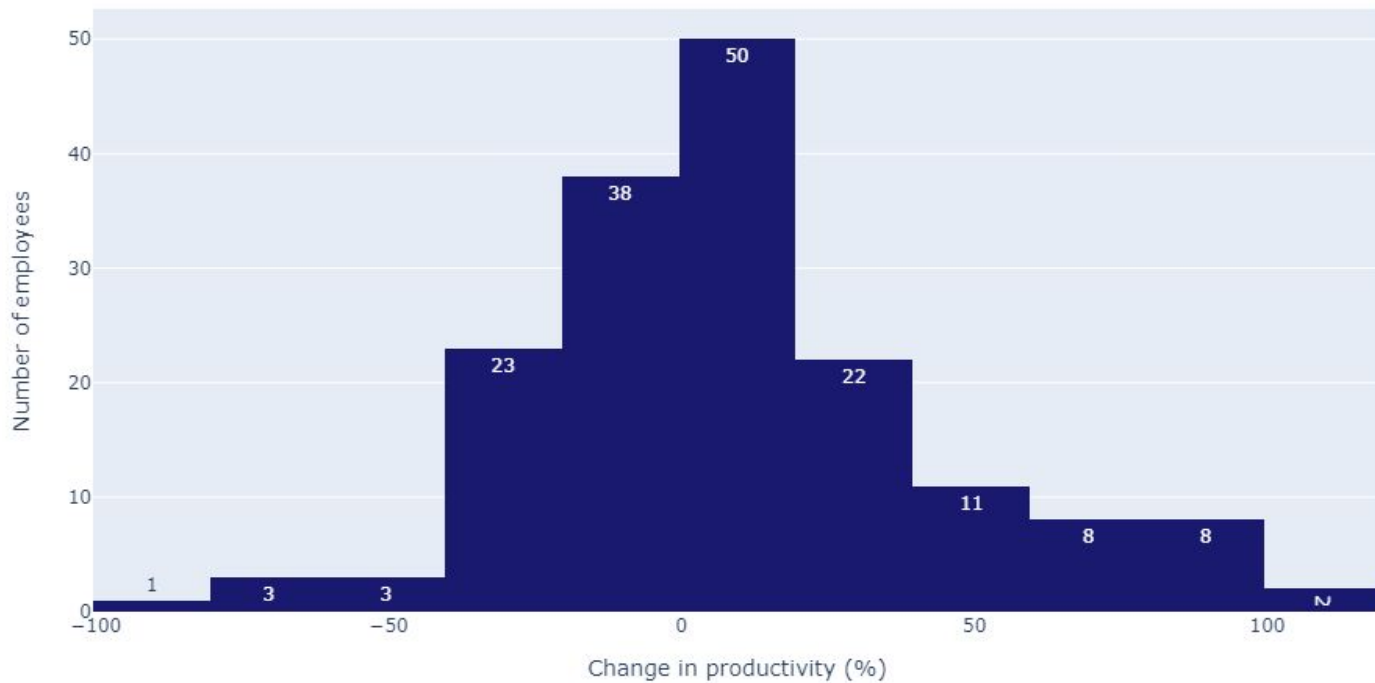


How productive did they feel compared to the week before?

Change in perceived productivity compared to the week before - First wave



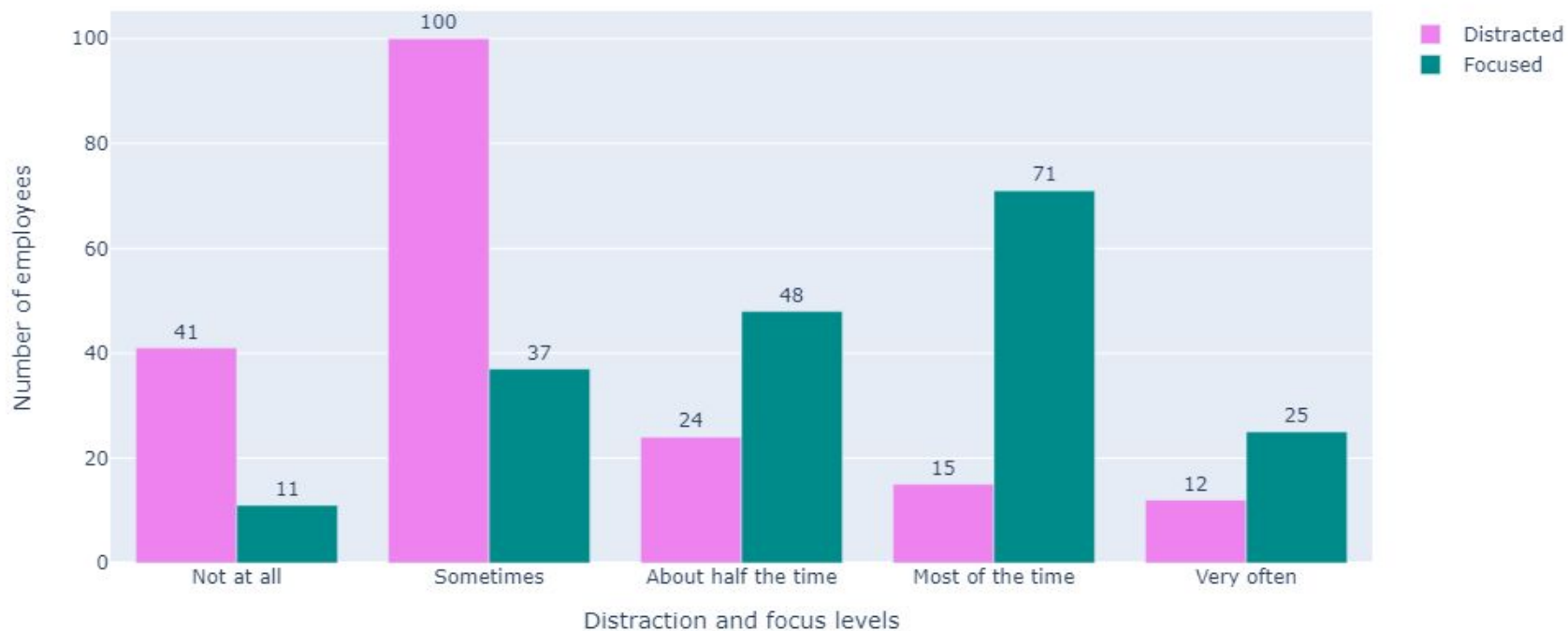
Change in perceived productivity compared to the week before - Second wave



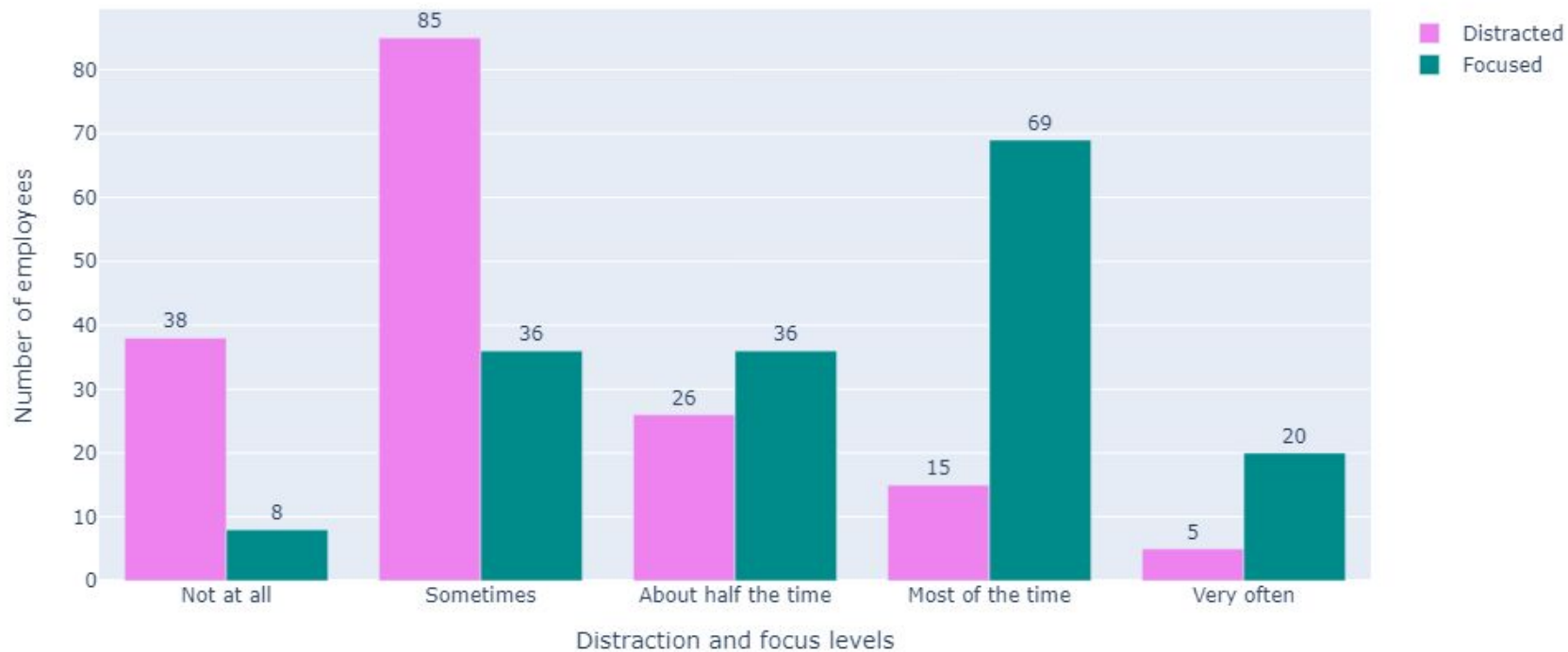


Did they feel more distracted or more focused?

Distractions and focus levels - First wave



Distractions and focus levels - Second wave

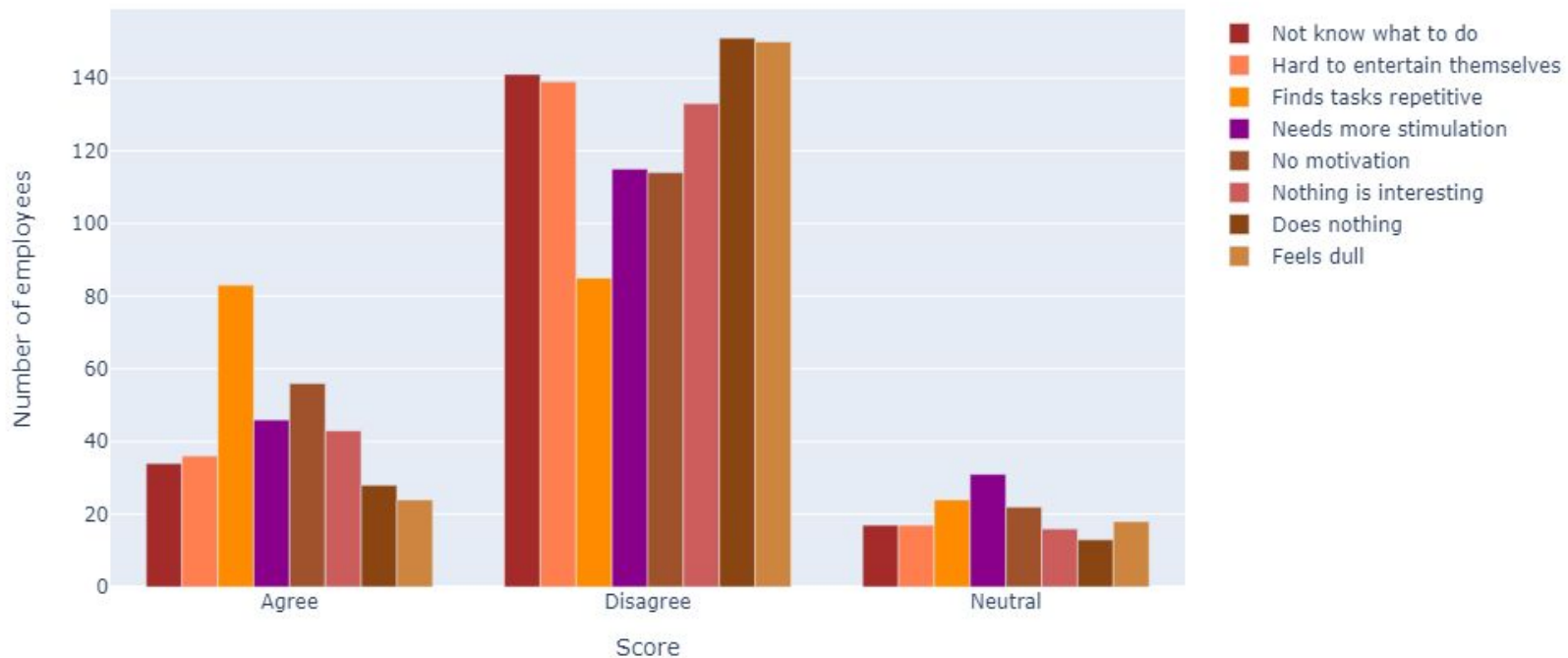




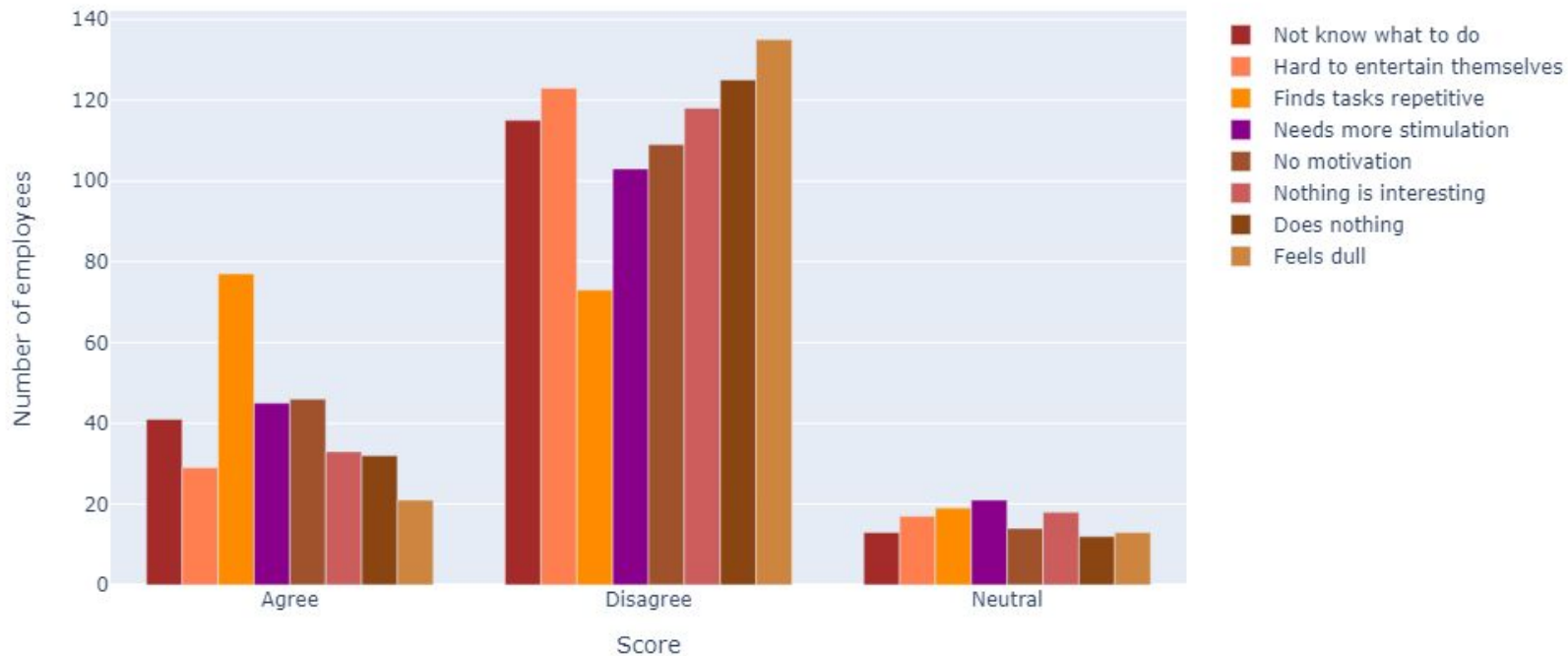
How bored did they feel?



Boredom levels - First wave



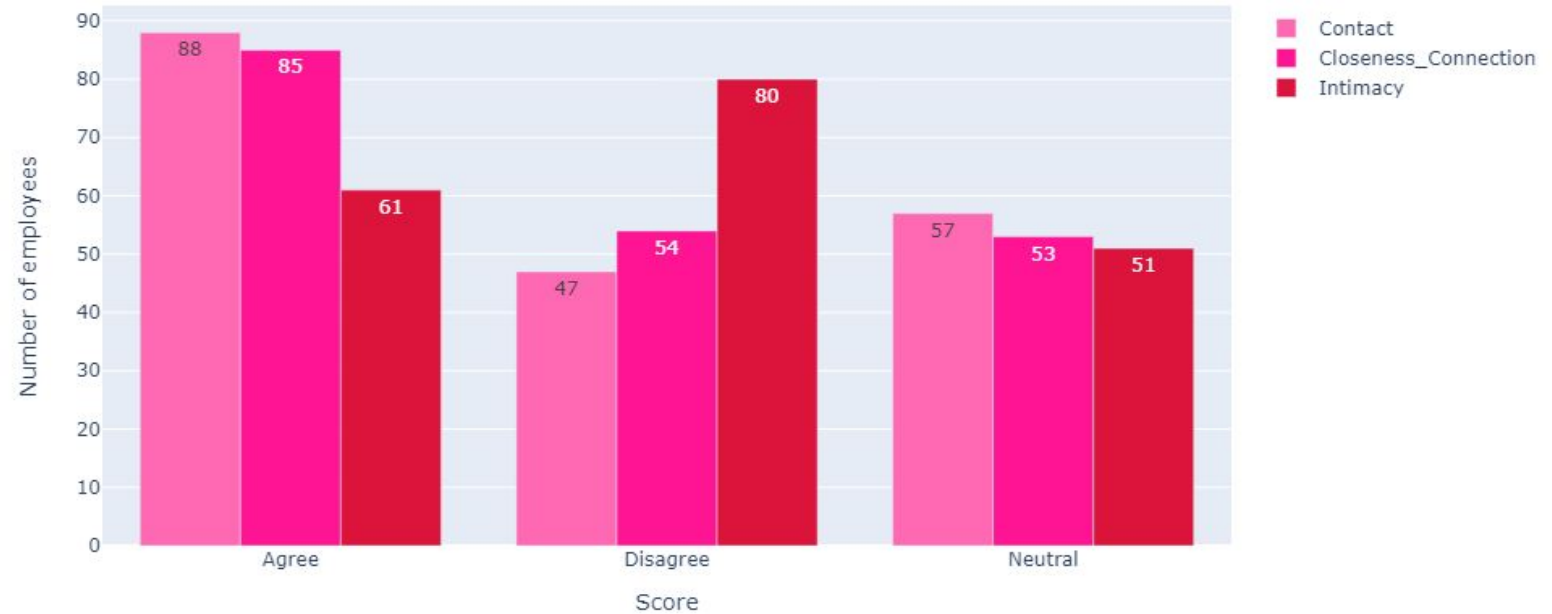
Boredom levels - Second wave



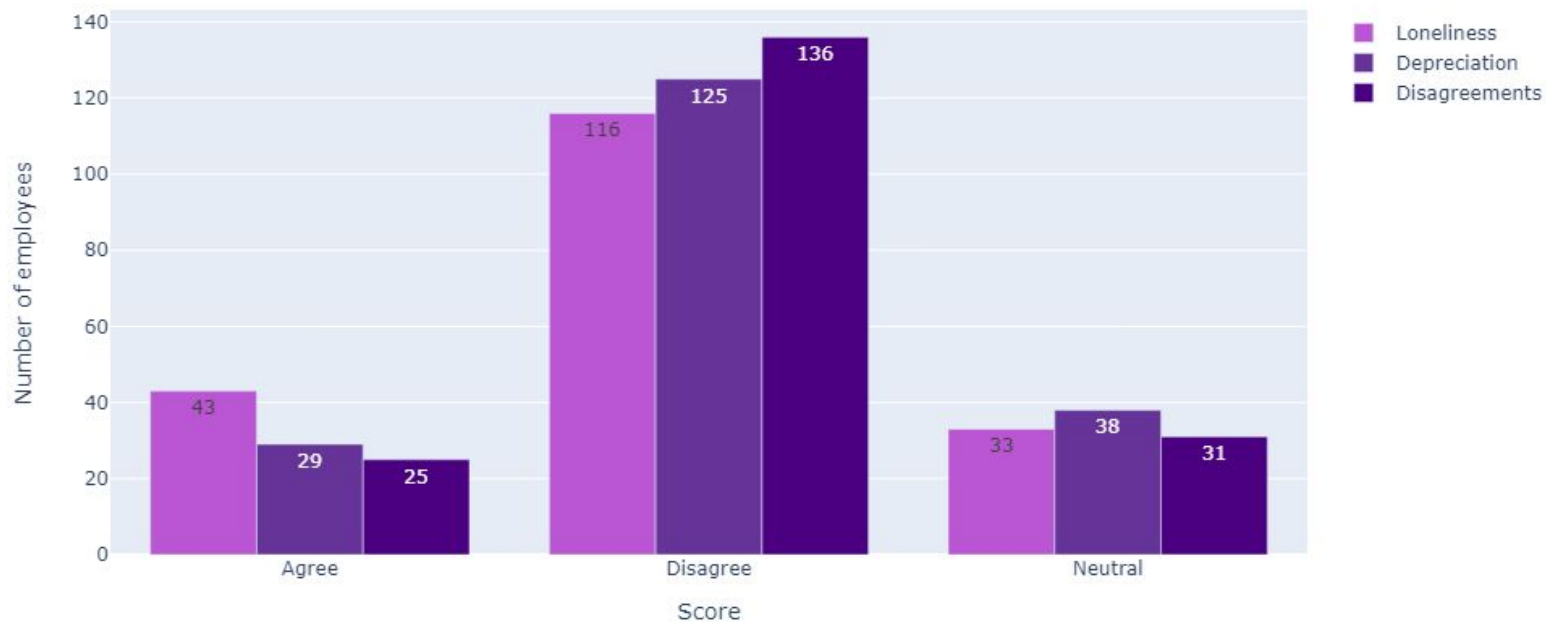


Did they feel more connected or more lonely?

Contact, connection, and intimacy levels - First wave

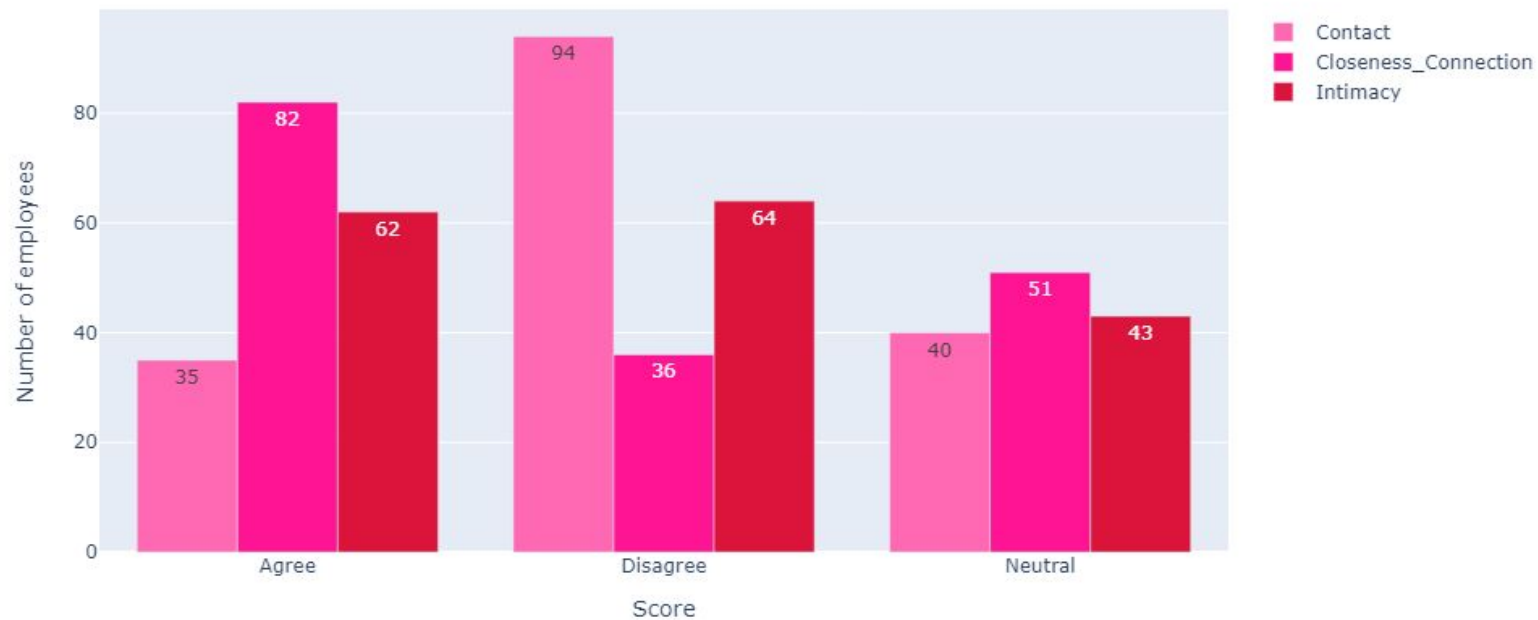


Loneliness, depreciation, and disagreements levels - First wave



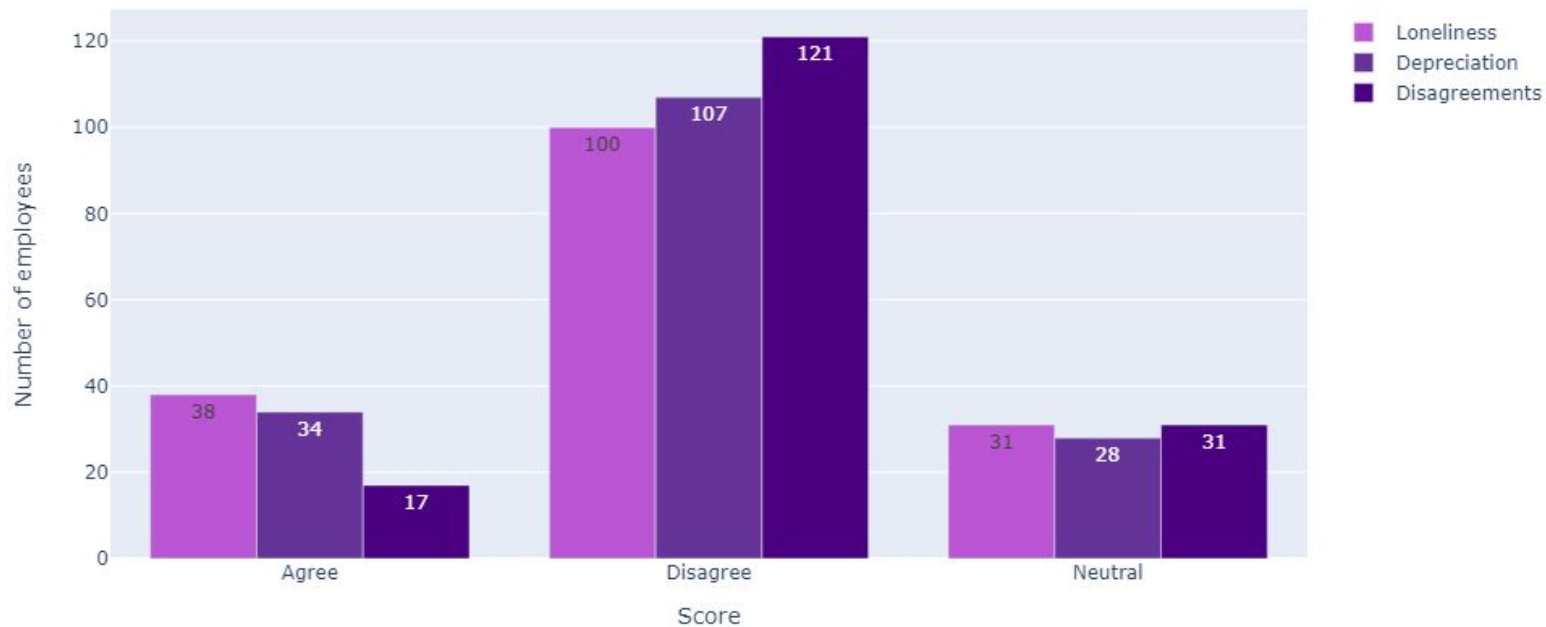


Contact, connection, and intimacy levels - Second wave





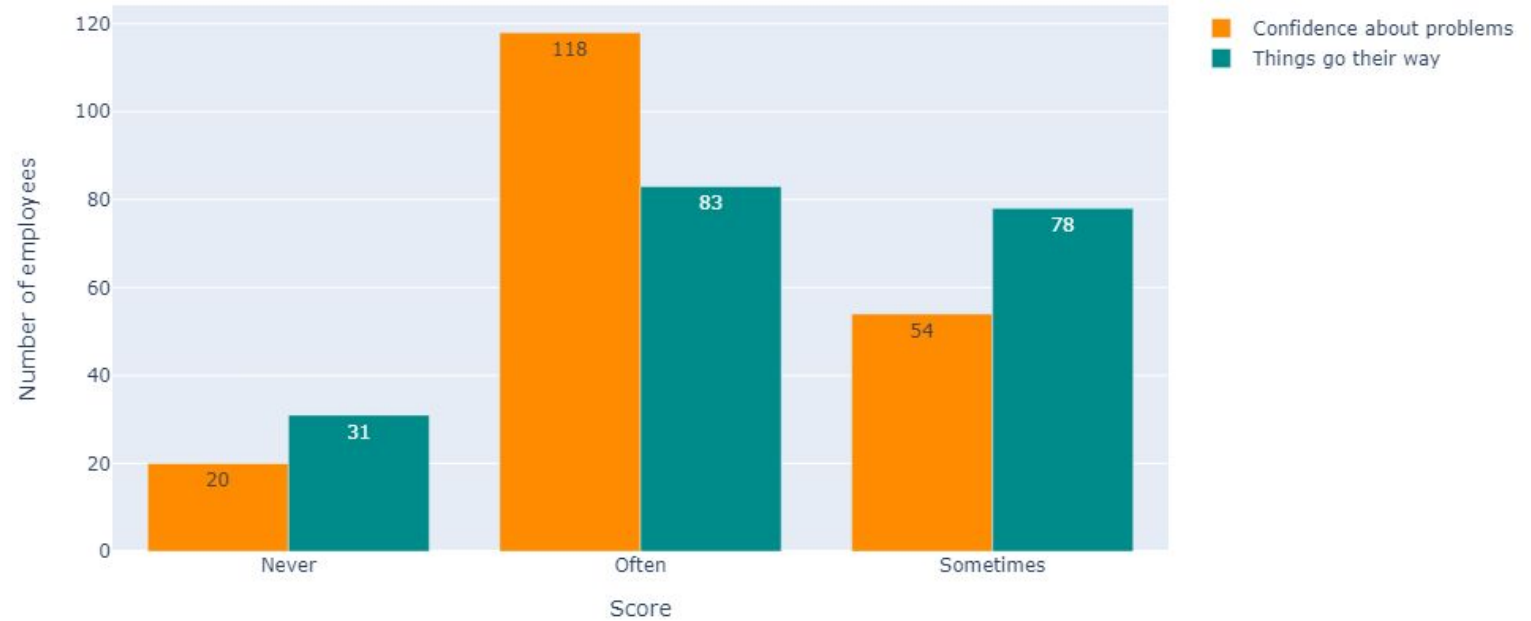
Loneliness, depreciation, and disagreements levels - Second wave



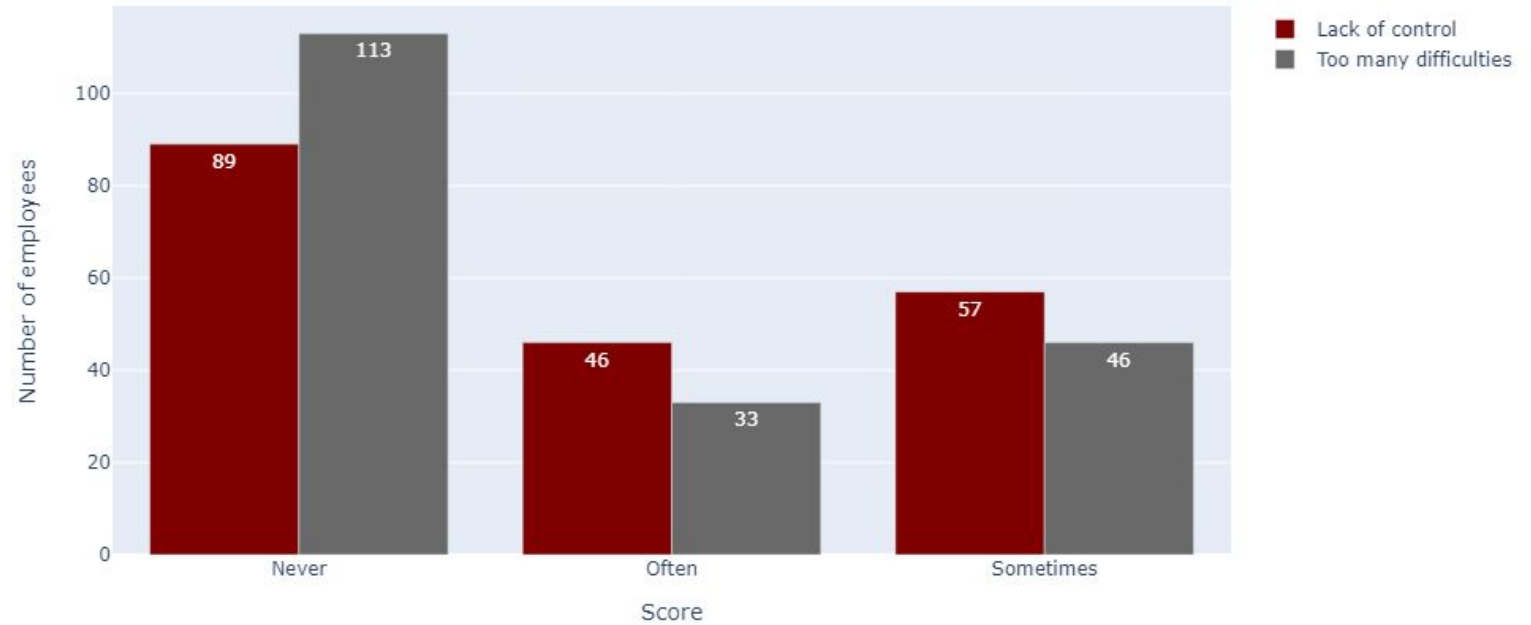


How stressed out did they feel?

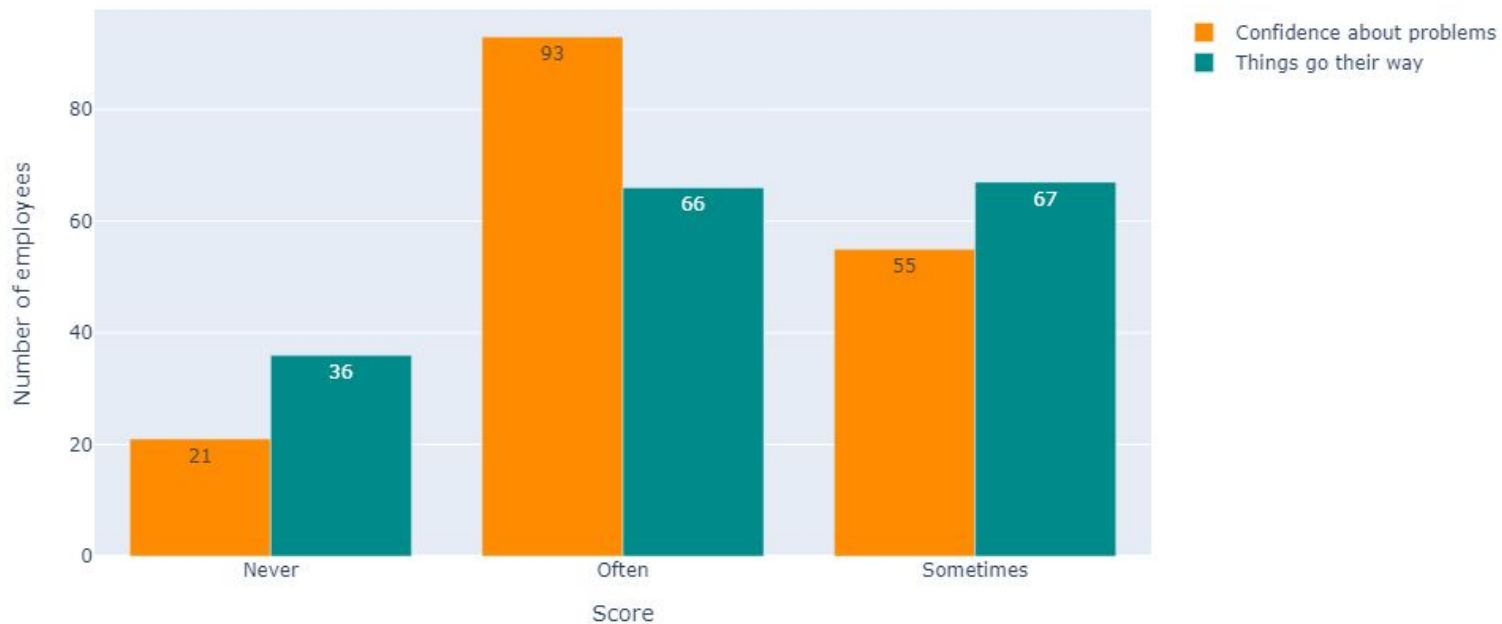
Confidence and work smoothness levels - First wave



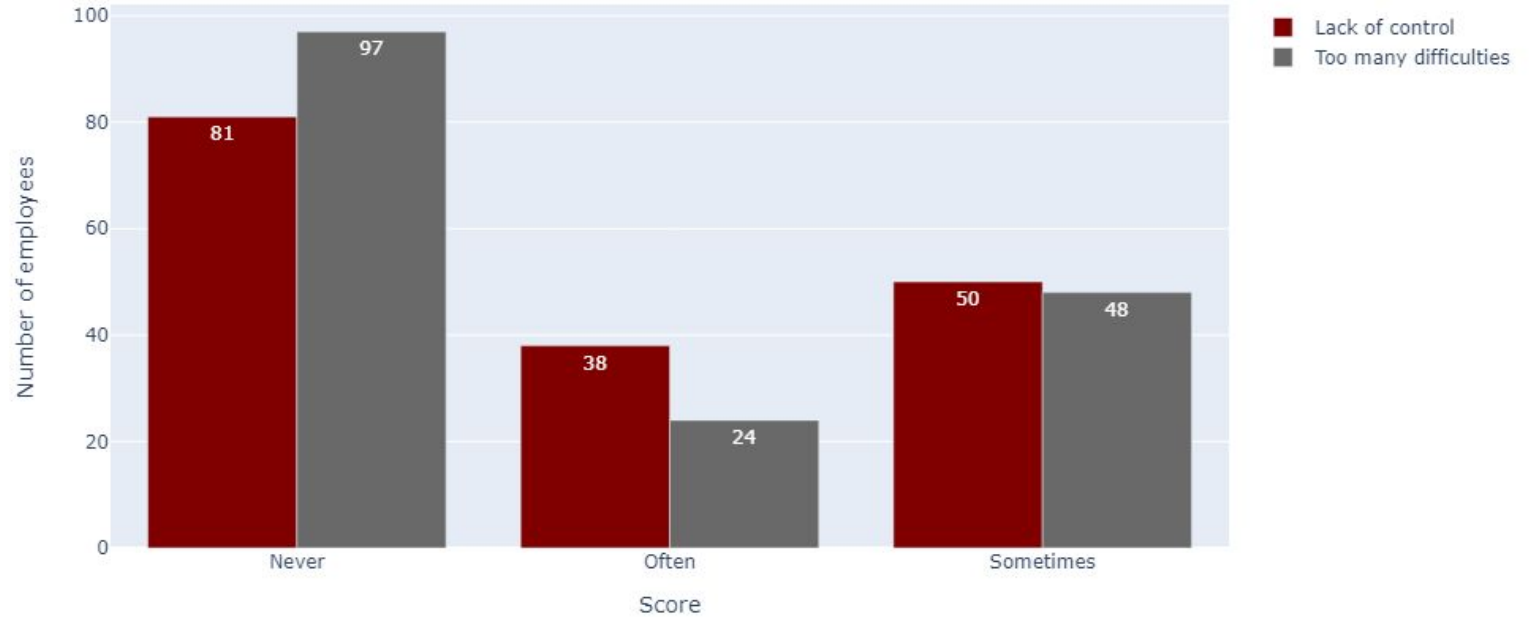
Lack of control and feeling of overwhelm levels - First wave



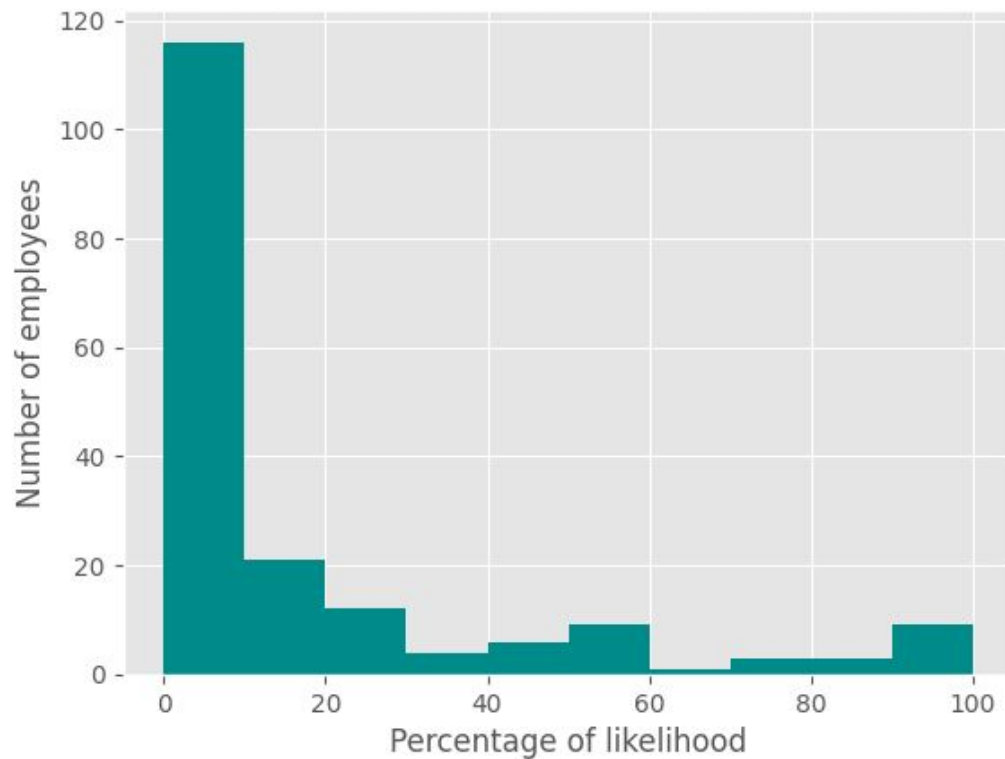
Lack of control and feeling of overwhelm levels - Second wave



Confidence and work smoothness levels - Second wave



How likely are employees to go back to the office in the week of May 18-24?



Further actions and research

- Investigate the quality of the tasks completed by those groups that worked less, and the wellbeing of those who worked above average
- Propose team-building activities to foster a sense of connection and intimacy among employees
- Investigate why some employees didn't feel confident in handling problems, see if there's a link with productivity, and address the issue.

Sources

<https://zenodo.org/record/4104390#.Y52-0ujMLPq>