

# Computational Social Science

**Yehor Bolotov (student, CSS\_01\_2022\_KMA)**  
**Andrew Kurochkin (teacher)**

**Presentation date 06.05.2022**

# Plan

## 1. Introduction

# Plan

1. Introduction
2. Data information

# Plan

- 1. Introduction**
- 2. Data information**
- 3. Working with data from dialogs and private chats**
  - a. Comparison of the number of messages of individual types**
  - b. Comparison of the total length of media messages**
  - c. Find out the 5 most used stickers in messages**
  - d. Compare the number of messages sent by me/the rest of the participants the conversations**

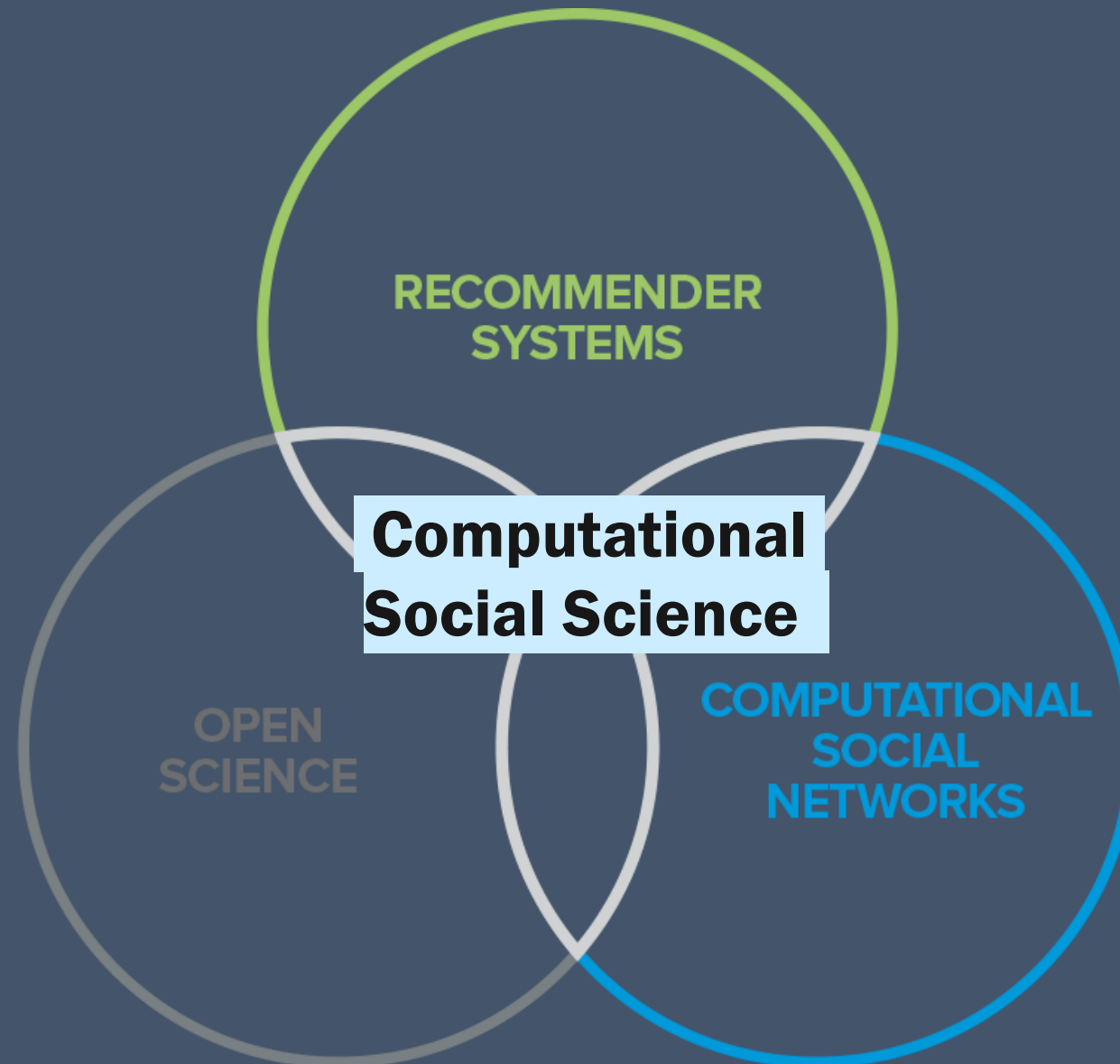
# Plan

1. Introduction
2. Data information
3. Working with data from dialogs and private chats
  - a. Comparison of the number of messages of individual types
  - b. Comparison of the total length of media messages
  - c. Find out the 5 most used stickers in messages
  - d. Compare the number of messages sent by me/the rest of the participants the conversations
4. Working with data from dialogs (users and etc.)
  - a. Group/Private dialog /Channel ratio in Telegram

# Plan

1. Introduction
2. Data information
3. Working with data from dialogs and private chats
  - a. Comparison of the number of messages of individual types
  - b. Comparison of the total length of media messages
  - c. Find out the 5 most used stickers in messages
  - d. Compare the number of messages sent by me/the rest of the participants the conversations
4. Working with data from dialogs (users and etc.)
  - a. Group/Private dialog /Channel ratio in Telegram
5. Conclusion

# Introduction





# Data information

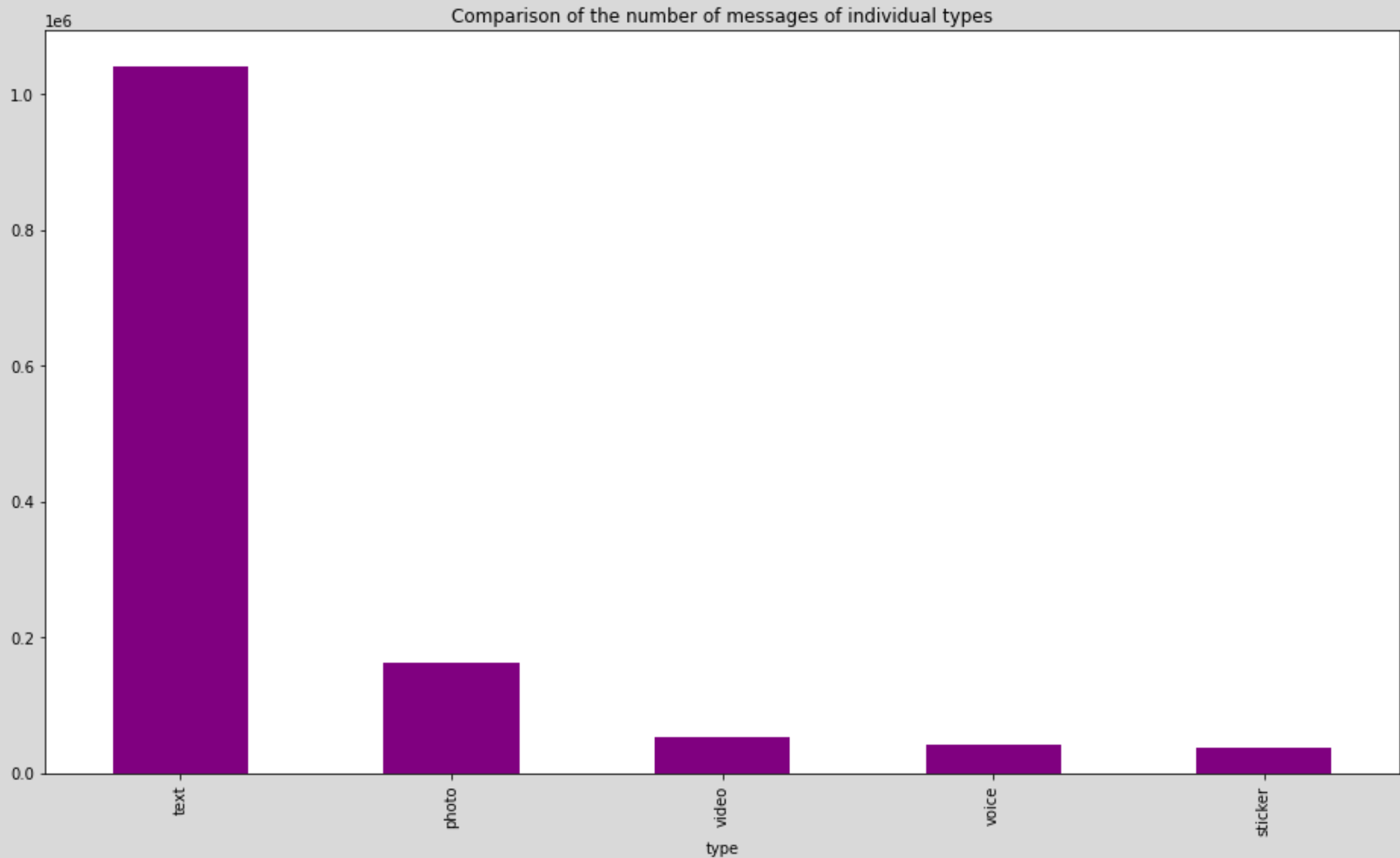
| <b>Dataset name</b>                 | <b>dialogs_data_all</b> | <b>dialogs_users_all</b> |
|-------------------------------------|-------------------------|--------------------------|
| <b>Time spent on loading</b>        | <b>260 min</b>          |                          |
| <b>Dataset size (length, width)</b> | <b>(1336690, 9)</b>     | <b>(9298, 4)</b>         |
| <b>Dataset Size</b>                 | <b>235.1 mb</b>         | <b>1.56 mb</b>           |



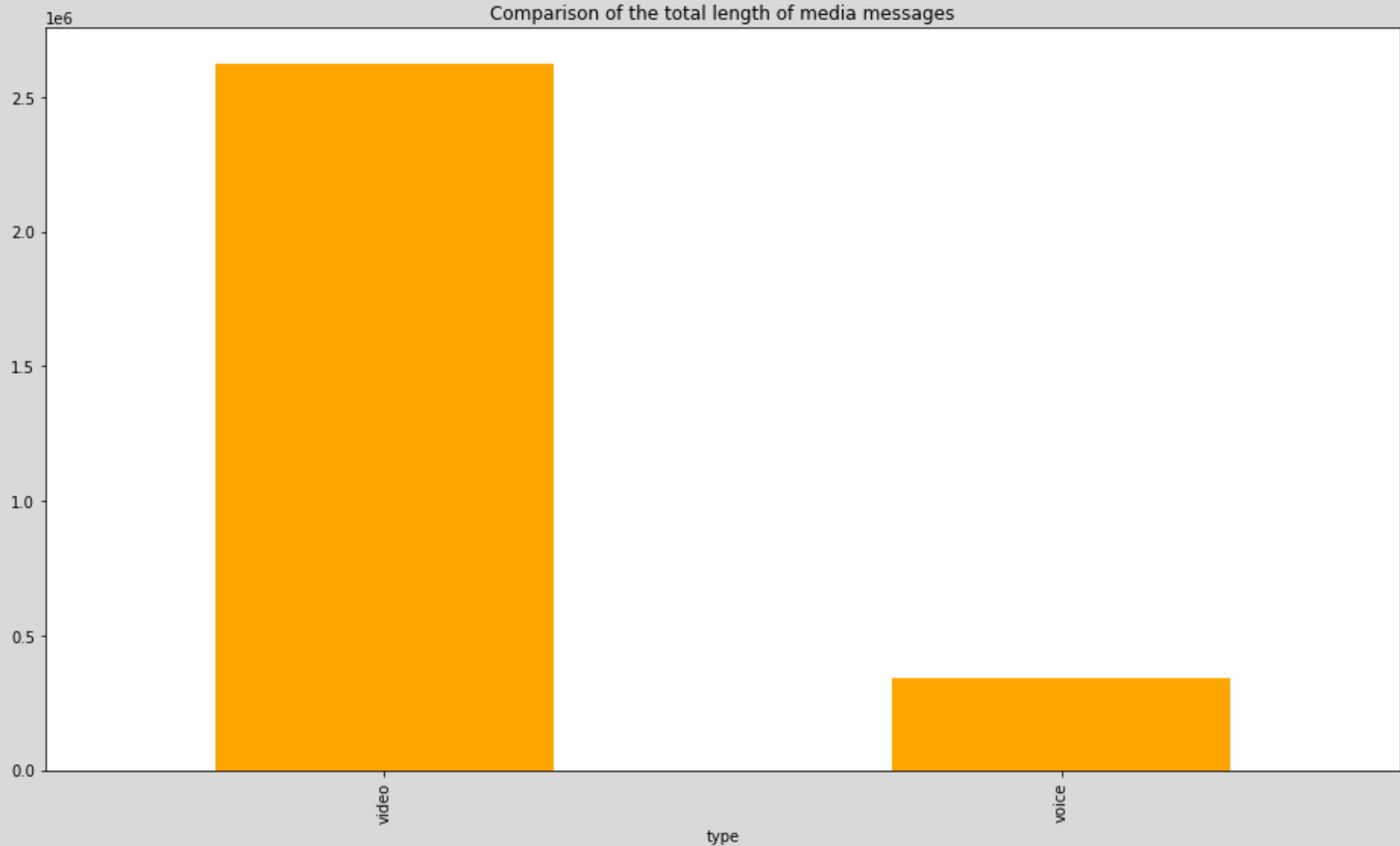
# Data information



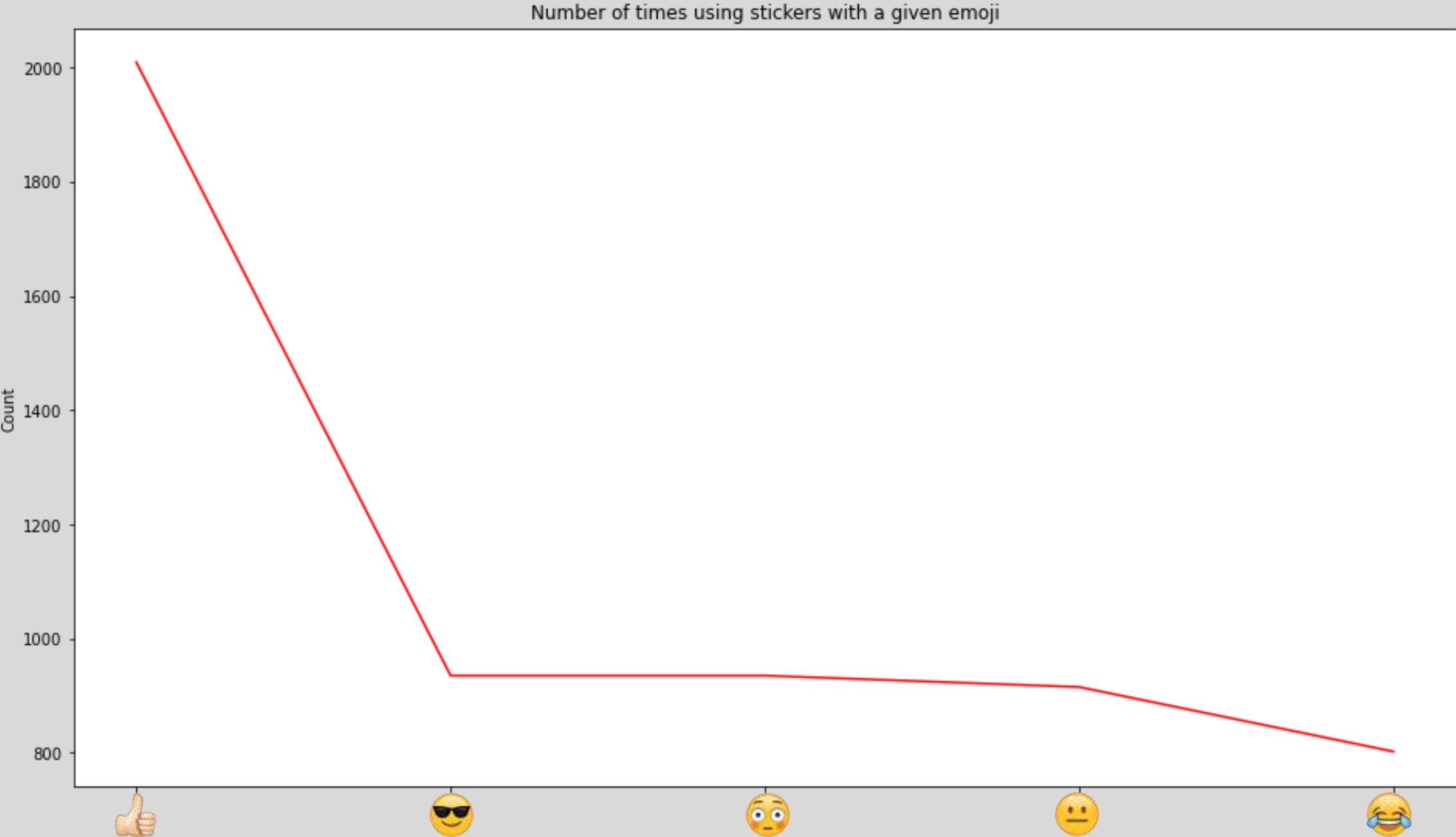
# Working with data from dialogs and private chats



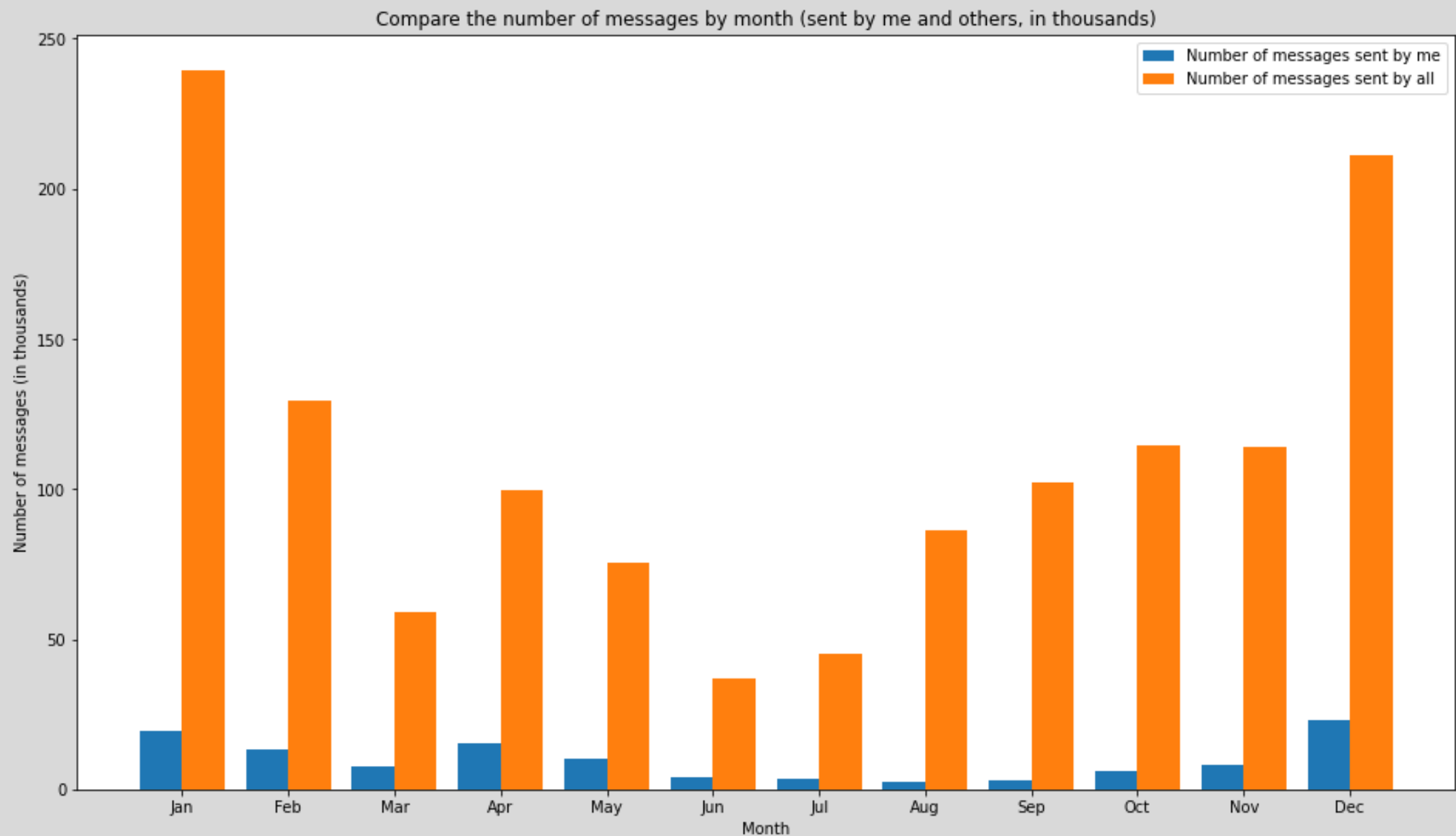
# Working with data from dialogs and private chats



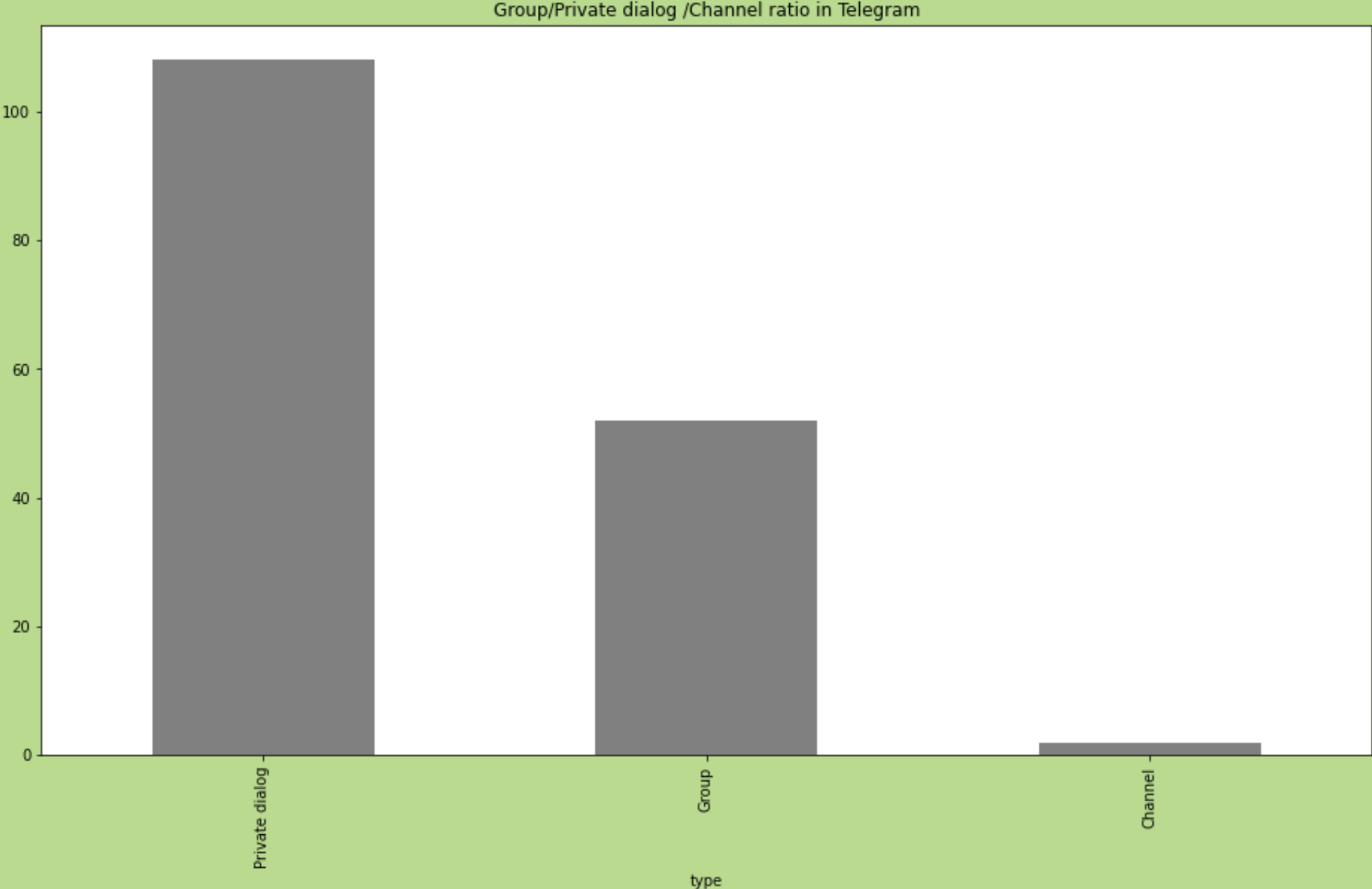
# Working with data from dialogs and private chats



# Working with data from dialogs and private chats



# Working with data from dialogs (users and etc.)



# Conclusion

[GitLab-repo-link](#)

[GitHub-repo-link](#)

