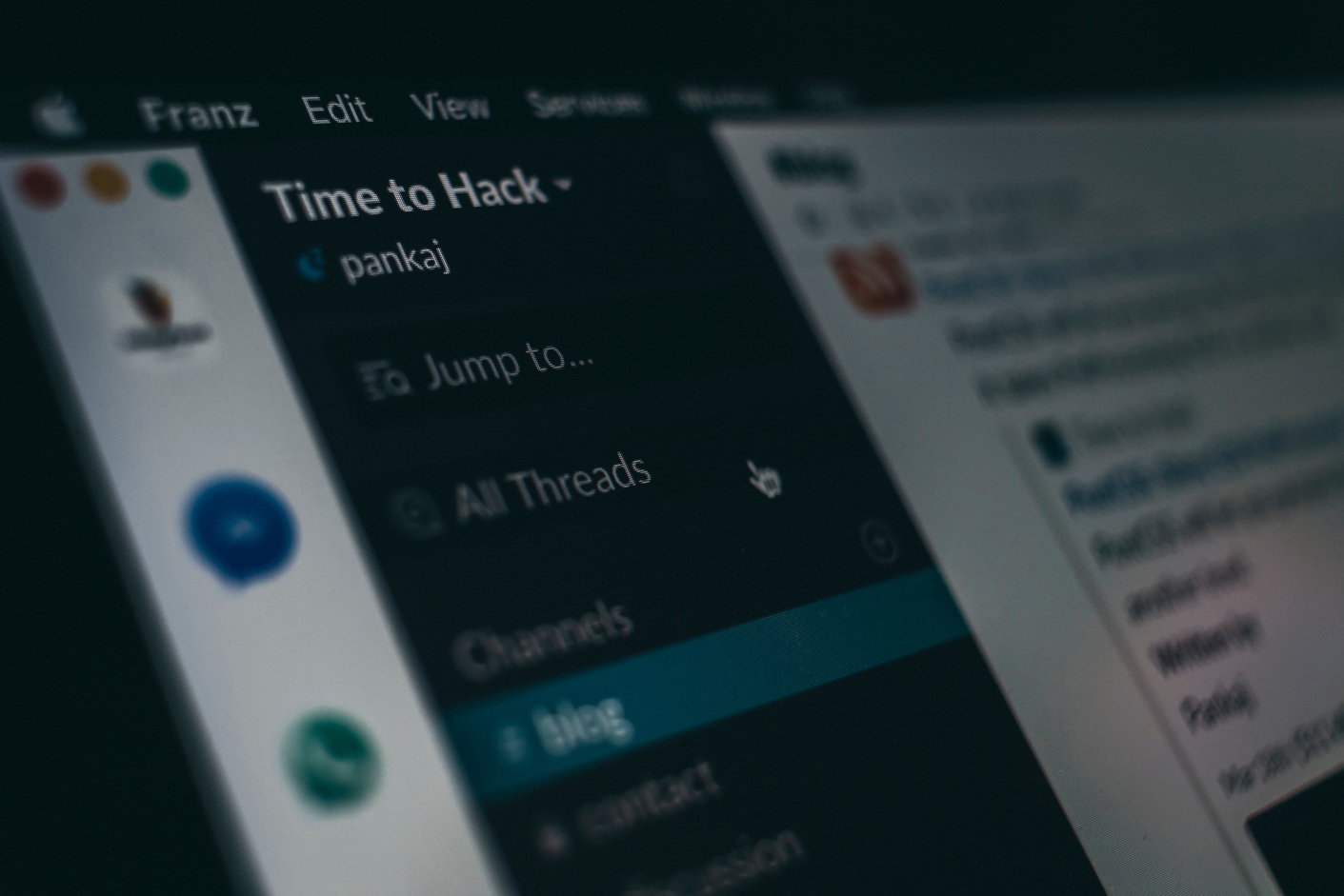
Assessment 2B – MDSI Slack Analysis

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For the assessment use CRISP-DM methodology style

# Heading 1

To get started straight away, simply tap any placeholder text (such as this) and start typing.

* View and edit this document in Word on your computer, tablet or phone.
* You can edit text, easily insert content such as pictures, shapes and tables, and seamlessly save the document to the cloud from Word on your Windows, Mac, Android or iOS device.

## Heading 2

Want to insert a picture from your files or add a shape or text box? No problem! In the Insert tab of the ribbon, simply tap the option you need.

"Quote"

To apply any text formatting you can see on this page with just a tap, in the Home tab of the ribbon, take a look at Styles.

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This assessment will task you with preparing an end-to-end data science project using all three of the languages we have learned so far in the course. Students must:

* Write an appropriate SQL query to construct a dataset for analysis
  + You must use at least one join
  + You must use at least one filter
* Use Python or R to connect to the database, and execute your SQL query to load the dataset directly into Python or R
* Use R and Python to analyse and present insights about the dataset
  + You must pass data between R and Python at least once
  + You must produce at least one visualisation in either language

Outside of these requirements, your choice of how to analyse the data and what insights to present is up to you. You may refer to the assessment criteria below for clear information about what is expected, keeping in mind that the primary aim of this assessment is to demonstrate your ability to create a meaningful piece of analysis using a combination of R, Python and SQL.

