

## **Demographic Questions:**

- 1.1 What is your current position?**
- 1.2 What is your overall development experience? How many years?**
- 1.3 What is your overall Jupyter Notebook development experience? How many years?**
- 1.4 What section of the Data analysis/Data Science you have experience working on?**
  - Data requirements,
  - Data collection,
  - Data Processing,
  - Data cleaning,
  - Exploratory Data Analysis,
  - Modeling and Algorithms,
  - Data Product,
  - Communication (BI)
- 1.5 Can you give us some general information about your development background in Jupyter Notebook? How many years? Projects? Academy or industry?**

## **Technical Questions:**

- 2.1 Tell us a bit about a large or relevant project you developed using the jupyter notebook.**
- 2.2 What were the benefits that the tool brought to this (or these) projects? Why use Jupiter?**
- 2.3 Have you used any external tools to support the jupyter notebook in your projects? Why? Could you give us examples?**
- 2.4 Do you miss any functionality in the jupyter notebook? Would you like to suggest any? Why? Could you give us examples?**

## **Problems and challenges**

- 3.1 Were there difficulties or challenges in these projects? Tell us a little about them.**

**3.2 Do you remember any problem(s) or bug(s) in these projects? Could you talk a little about the frequency or difficulty generated by them?**

**3.3 You can share your experiences with bugs related to:**

- Conversion
- portability
- online servers
- browsers
- Operational systems
- package manager
- versions
- kernel
- other programming languages except python
- Syntax
- typo
- Modeling and Statistics
- Algorithm
- Minor code fixes
- Data processing
- visualization
- Tools

**3.4 Which of these bugs do you think were the most relevant? Why?**

**3.5 Was it difficult to fix or work around this problem? Are they very common?**

**3.6 Is the problem faced is related to Jupyter notebook or not? Or do you believe this is a problem that can occur regardless of platform?**

**3.7 Do you remember any other bugs that we haven't highlighted so far? Can you talk a little about him? (Difficulty, Frequency of Occurrence)**

**3.8 Comparing Jupyter with other development tools there is a whole concept and layout of difference, which changes the way it is coded, do you think that this change generates some difficulty for the user and if so, in your opinion this can increase the occurrence of bugs ?**

**3.9 What makes challenges and bugs in Jupyter Notebooks different than other data analysis tools?**

**4.0 Would you like to make any further comments or observations? Feel free.**