UFORSE DATATHON 2021
Instruction & Itinerary

1.1 Datathon Timeline

Date	Event	Location
April 4th 10AM – 11AM	Uforse Datathon Orientation	Zoom Online
April 5th - April 15th	Mentorship Sessions & Office hours	Zoom Online
April 17th 10PM	Presentation Slides Submission	submit to: uforseeducation@gmail.com
April 18th 8:00AM – 12PM	Datathon Presentation Day	Zoom Online

1.2 Introduction to the Case

As we adjust and have adapted to the 'New-Normal', our mobility outside of our homes has changed. We would like you to analyze how has this changed over a year to places such as retail and recreation stores, grocery and pharmacies, parks, transit stations, workplaces as well as residential. The data includes percentage change from baseline information for each country, with the baseline being the period before the pandemic hit.

The case questions will include questions that you would need to answer with data analysis and visuals with respect to, country with the most change from baseline, province within Canada with the most change to baseline, analyzing the change of behaviour during the lockdown on and off phases as well.

Feel free to combine any other data to provide any additional insights!

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1.3 Your Task

Questions:

1. Within Canada - the provinces that have demonstrated the most changes in mobility. How did these provinces act differently in different stages of lockdown and re-opening?

2. How does Canada fair when compared to other countries with respect to its outdoor visits and what is the top mobile country doing better than us? Any lessons to learn?

3. (Motivating to think out of the box and bring your own creativity) Can you combine any additional resources to provide us with a unique finding? That is, the company with increased door to door delivery services like Instacart?

Dataset Link:

Please review the dataset of Covid-19 Community Mobility via the link:
https://www.google.com/covid19/mobility/

Instructions:

1. Summarize the dataset. (Optional: You can run some descriptive statistics on the dataset.)
2. Graphs that help visualize the data. These can be bar charts, line graphs, histograms, pie charts, etc. Be sure the chosen graph represents the information you want to highlight.
3. Explain the story the data is telling you.
   - Provide a brief discussion of the findings.
   - If there are any unusual values, you can discuss them. (For example, if data values are out of range, you can delete the out-of-range values and run the analysis again.
   - Identify additional questions that the data is leading you to ask. What new attributes are needed to answer those questions?
4. Now that you have worked with the data, what is the data saying to you? What have you learned about the attributes? What are some follow-up questions you would like to answer?

Tips:

- Make sure you answer the asked questions clearly via a 10-12 min presentation highlighting your insights and data visualization of the same through captivating, interesting and easy to understand visuals.

- Gear up to answer any questions that the judging panel may have for you – The technique used, why, additional follow up related analysis.

- You and your team can utilize data analysis and data visualization tools as Tableau, Excel, R, Python, etc. It is not mandatory to utilize a specific tool to complete your data analysis. We encourage you to try out different tools and learn from them.

1.4 What to Submit:

- A presentation slide deck with your findings. (Make sure you add a title page with your team members' name on it.)

- Submit a single file with the following filename: <TeamNumber + Teamname>_Project.pptx or <TeamNumber + Teamname>_Project.pdf

- Submit your slides deck to: uforseeducation@gmail.com

1.5 Grading Rubric

Component	Weightage (%)	Due Date
Presentation	70	
PowerPoint Slides	30	10PM April 17th ,2021

Update: The Q&A is not a mandatory component of Datathon grading rubric. However, it is still part of your presentation, be prepared for judges' questions!

1.6 Presentation Rubrics

	A-level (80-100)	B-level (70-79)	C-level (60-69)	Below C-Level (Less than 59)
Data Analysis (35%)	Skillfully uses data analysis tools to analyze and display data. Incorporates concise comments of data analysis output for clarity.	Uses appropriate tools to analyzes and display data. Includes concise comments that clarify data.	Uses tools to analyzes and display data. Includes some comments, but comments are not consistent.	Does not Use data analysis tools to analyze dataset. Does not comment on the data analysis output.
Data Visualization (35%)	Compelling use of data visualizations. Uses of graphs, charts and tables clearly demonstrate the main points being made.	Makes appropriate recommendations supported by logical reasons	Data visualization are useful for the level and type of analysis, but graphs, figures and tables do not clearly communicate significance of the results to the reader.	Data visualization are used minimally or not at all. If graphs, figures and tables are used, it is unclear what they are intended to communicate or why.
Slides Format (30%)	Assignment follows normal conventions of grammar and spelling and appropriate conventions of style and format that engages the reader	Assignment follows normal conventions of grammar and spelling and was carefully proofread. Appropriate conventions of style and format are used consistently.	Minimal errors in spelling, and grammar, and/or other writing conventions. Some transitions are choppy but not difficult to follow.	Frequent errors in spelling, grammar, and/or other writing conventions that distract the reader. Transitions are choppy and difficult to follow. Limited connection to the topic.
Q&A	Group invites Q&A confidently and appears coordinated in their approach to fielding questions. Support answers with reason and evidence.	Handles Q&A confidently with some supporting evidence.	Group appears somewhat disorganized with respect to fielding and answering questions.	Q&A poorly handled

1.7 Datathon 2021 Teams

Team Number	Team Name
1	A3
2	Blank
3	CANCER
4	CBR
5	Consentanea Statistica
6	DHKY
7	Fish Touchers
8	Potato Tang
9	RMVZ TEAM
10	SET
11	SFW innovation
12	Star Catchers
13	WOW(Woman of Wisdom)

1.8 Datathon Presentation Day Timeline

Time (Eastern time)	Event
8:00 AM	Competition Start
8:00 - 8:20 AM	Opening remarks
8:20 - 8:30 AM	Assign Teams into 2 Breakout rooms
8:30 - 9:30 AM	First Round Presentation
9:30 - 9:40 AM	Break
9:40 - 10:30 AM	First Round Presentation
10:30 - 10:40 AM	Break
10:40- 11:30 AM	Final Round Presentation
11:30- 11:40 AM	Judges Deliberate
11:40 - 12:00 PM	Closing Remarks & Prize awarding ceremony

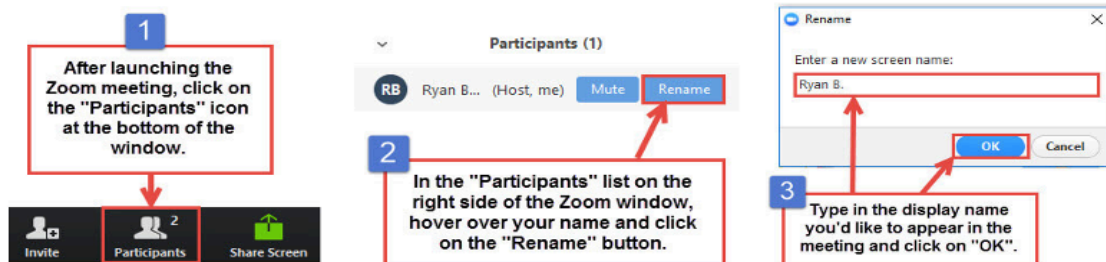## 1.9 First Round Presentation

FIRST ROUND: ZOOM BREAKOUT ROOM 1 (6 teams)

Team Number	Team Name	Team Members
7	Fish Touchers	Bill Wei Steven Zhu Benny Wu
9	RMVZ TEAM	Rui Ma We Han Xu Victoria Zheng Shuyi Zhong
5	Consentanea Statistica	Xiuyu Yuan Emily Tao Bochen Liu
11	SFW innovation	Zimo Li Yuhe Shi Gongfuyu Fang Zhenyuan Fang
3	CANCER	Lirui Xu Coco Gan Huanyue Liu
13	WOW (Woman of Wisdom)	Sihan Liu Yutong Ji Siyu Wang

FIRST ROUND: ZOOM BREAKOUT ROOM 2 (7 teams)

Team Number	Team Name	Team Members
4	CBR	Yiru Jiang Wangqi Zhang Beilin Yu
8	Potato Tang	Kevin Zhu Eric Chen Kevin Wang
6	DHKY	Jiarui Yang Hanning Wang Yani Zhai Karlis Biezneck
1	A3	Ziyu He

		Charly Lin Tong Zhao
10	SET	Chuyan Chen Haitong Xu Edwena Yao
2	Blank	Yihuo Yang Jiahao Li Sunny Chan
12	Star Catchers	Ellie Xu Wenqi Wen Jiun Shin Liang

- **Software: Uforse Datathon 2021 Presentation will be hosted via Zoom. Download Zoom App on your laptop with stable internet connection on the presentation day. (Download link: https://zoom.us/download). [下载 Zoom, 并确认在演讲可以在网络稳定的环境中进行]**

- **Location: Participants can join zoom rooms through zoom URL links （please find the links in the WeChat group announcement on April 18th）[参赛选手将会在比赛前群公告中获取竞赛 zoom link，在比赛当日 4 月 18 日直接点击 link 加入比赛]**

- **Location: Opening remarks, Final rounds presentation and prize-awarding ceremony will be hosted in zoom main room, first-round presentations will be hosted in zoom break room 1-2. Please find your team arranged zoom room in the tables below. [开场致辞,最终决赛, 颁奖典礼将会在 zoom main room 进行，第一轮小组演讲将会分别在 zoom breakout room 1-2 进行，小组演讲分配信息请查看上一页表格]**

- **Eastern (Toronto)Time: April 18th, 8:00AM – 12:00PM**
  All participants should start to set up and join zoom room between 7:50 – 8:00AM
  [建议所有的参赛队伍在加东时间早 7 点 50 到 8 点之间进入 Zoom room，工作人员将会进行登记]

- **Rename in Zoom Meeting: Make Sure to change your name to: Team Name - Full name Eg: A3 - Amy Li , CBR - Peter Wang [所有参赛选手进入 zoom room 后请更改名字，严格按照上述格式在 Zoom 内更改姓名，未更改姓名的选手将会被工作人员视为观众，丧失比赛资格]**

- **Opening Remarks: Join Zoom room before 8:00 AM for Opening Remarks. Participants are required to <u>turn on videos</u> during opening remarks(microphone muted) [所有参赛选手需要在 8 点之前进入 Zoom room，并且在开场致辞期间参赛选手需要保持摄像头开启，声音关闭]**

- **Zoom chat: Volunteers and Uforse staff will post announcements and team reminders for presentation in the zoom chat.** [Datathon 竞赛过程中请所有参赛选手留意 Zoom chat,工作人员和志愿者将会在 zoom chat 中进行队伍演讲顺序的提醒以及竞赛公告]

- **During Group Presentation:**

1. **Screen sharing and Video: One of the team members needs to share the screen for slides to judges and audiences, all team members need to keep videos and microphones on during group presentation.**

   [屏幕共享与视频要求：在演讲过程中, 每个队伍将会需要一名队员全程共享屏幕 ppt，并且队伍所有成员在演讲期间保持摄像头与语音开启，工作人员将会保存每组队伍的 ppt 作为备份，如演讲期间遇到技术问题，将会使用上交的 ppt 通过主持人共享屏幕完成演讲。]

2. **All team members will be automatically muted during other teams' presentation.** [所有参赛队伍在非小组演讲时间将会被自动静音]

3. **Time Count Down: During group presentation, volunteers will type in the remaining time via Zoom group chat to remind each team as a time count down. Presentation will be stopped when time's up.** [在演讲过程中，志愿者将会在通过聊天框输入剩余时间：3mins/1min left 提醒该队伍演讲所剩时间, 用时 12 分钟后演讲自动结束]

4. **First Round Presentation Order: Each zoom room's presentations will follow the order as showed in the table below. For team not showed up in the presentation, its presentation will be skipped. The host will move on to next team's presentation.** [演讲顺序：每个 zoom room 的演讲顺序如表格所示，如该队伍没有在规定时间出席，自动顺延至下一队伍演讲]

5. **For the first-round presentation, each Team has <u>12 mins</u> for your group presentation. Q&A Session is not a mandatory component in the Datathon Presentation rubric.** [在第一轮小组讲演中，每队将会有 12 分钟的时间完成小组讲演， 讲演完成后评委视情况进行提问，并完成打分，Q&A 将不会作为独立的评分组成项目]

6. **Presentation Slides: Submit presentation slides to <u>uforseeducation@gmail.com</u> before Jan 17th, 10PM.** [每个队伍需要在 1 月 17 日晚 10 点前提交 PPT 到上述邮箱作为 backup]

7. **Final Round Presentation: Top 2 teams in each zoom breakout room will qualify for the final round presentation. In the final round, each qualified team will highlight your first-round presentation within 10min and show your best impress the judges.** [决赛：每个房间的前两名队伍（共 4 个队伍）将会入选决赛，在决赛中，每个队伍将把第一轮演讲的内容提炼缩短至 10 分钟，并完成演讲]

- **Uforse Datathon Participation Certificates: All Participation Certificates will be sent to your email within 3 business days after Final round.** [Datathon 参与证书发放：所有参赛选手的电子版参与证书将会在决赛结束后 3 个工作日内完成发放，参与证书的发放需要选手全程参与比赛，包含从开场致辞到颁奖典礼，如因故中途立场，将会影响参与证书的发放。]