

Group 6

Sprint 1- Delivery Report

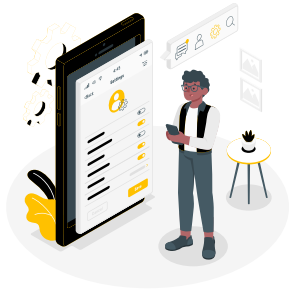
Data Analysis of Covid-19's
impact on Canadian Economy



Introduction

Our project is a representation of the data collected & analyzed during the time of Covid-19 and how it impacted the economical circumstances of Canada.

The focus of our project is to provide a detailed analysis of the impacts happened during the covid times using tableau.



Our Team Members

Moganaviniith
Rathinavel
Scrum Master



Ricky Abraham
Product Owner



Tamilselvan
Ramachandran
Developer



Narayana
Prakash
Developer



Gauravkumar
Prajapati
Developer

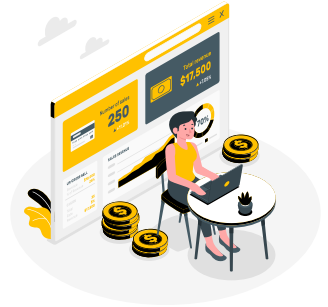


Amardeep Kaur
Grewal
Developer



Agenda

- Deliverables for the current sprint.
- Updates the backlogs of projects.
- Next sprint's backlogs.
- Minutes of sprint review and sprint retrospective meetings.
- Making use of newly acquired Agile tools, processes, and concepts.



Product Backlogs

Impact of the Corona Virus on the Canadian Economy:

The impact of the coronavirus on the Canadian economy has been far-reaching and devastating. The virus has caused a severe disruption in the labour market, with more than three million Canadians losing their jobs since the pandemic began. This has led to a significant drop in consumer spending and a sharp contraction in the economy. The unemployment rate is now at a historic high of 13.7 percent, and the GDP decreased by 11.5 percent in 2020.

Effects of the virus on the Canadian labour market:

Job Losses: The virus has caused a significant decrease in the number of jobs available in Canada. Many businesses have had to close or reduce their operations due to the pandemic, resulting in job losses across the country.

Reduced Hours: Many businesses have had to reduce the hours of their employees in order to stay afloat. This has resulted in a decrease in wages.

Identify the sectors of the Canadian economy most affected by the virus

Analyse the impact of the virus on the Canadian food Industry:

The impact of the virus on the Canadian food industry has been significant. The pandemic has caused a disruption in the supply chain, resulting in shortages of certain food items and increased prices for others. Restaurants and other food service businesses have been forced to close or reduce their operations, resulting in job losses and reduced revenue. Farmers have been affected by the closure of restaurants and other food service businesses, as well as by the disruption of the supply chain.



Product Backlogs

Impact of the virus on the Canadian stock market:

The impact of the coronavirus on the Canadian stock market has been significant. The S&P/TSX Composite Index, which tracks the performance of the largest companies in Canada, has dropped by more than 20% since the start of the pandemic.

Impact of the virus on the Canadian housing market:

The number of homes sold in Canada in 2020 was down by nearly 20% compared to 2019, and the average sale price was down by nearly 10%. The decline in housing prices has been particularly pronounced in the Greater Toronto Area and Greater Vancouver Area, where prices have dropped

Impact of the virus on the Canadian consumer spending:

With the onset of the pandemic, many Canadians have had to reduce their spending due to job losses, reduced hours, and other economic impacts. This has led to a decrease in consumer spending, with many Canadians opting to save their money rather than spend it.



Product Backlogs

Impact of the virus on the Canadian tourism sector:

The sector has been hit hard by the pandemic, with travel restrictions, border closures, and a decrease in consumer spending. The number of international visitors to Canada has dropped significantly, with a decrease of over 80% in 2020 compared to 2019.

Impact of the virus on the Canadian GDP:

According to Statistics Canada, the Canadian economy contracted by 11.6% in the second quarter of 2020, the largest decline since records began in 1961. This was largely due to the impact of the coronavirus pandemic, which has caused widespread disruption to businesses and consumer spending.

Effects of the virus on the Canadian banking sector:

The pandemic has caused a sharp decline in economic activity and consumer spending, which has led to a decrease in loan demand. This has caused banks to take a more conservative approach to lending and to reduce the availability of credit. Banks have also been forced to increase their provision for loan losses due to the increased risk of default.



Project Progress

Sprint	Work detail	Status	Progress	Assigned to
Sprint 1	Impact of virus in economy and labor market	Done	100%	Ricky Abraham, Moganaviniith Rathinavel and Tamilselvan Ramachandran
Sprint 2	Impact on food industry and stock market	Not started	0%	Narayana Prakash, Gauravkumar Prajapti, Amandeep Kaur Grewal
Sprint 3	Impact on housing market and consumer spending	Not started	0%	Not assigned
Sprint 4	Impact on tourism sector and GDP	Not started	0%	Not assigned
Sprint 5	Impact on banking sector	Not started	0%	Not assigned



Deliverables for the current sprint

Impact of the Corona Virus on the Canadian Economy:

We have acquired information based on a client's requirements after our initial encounter with him. After analysing the data, we identify the feasible and legal deliverables that the client may choose from.

Effects of the virus on the Canadian labour market:

After our initial meeting with a client, we collected information depending on his needs. After analysing the data, we determine the practical and acceptable deliverables from which the client may select.

Details	Client requirements or Available options	Possible Deliverables
Tracking changes in government spending	Budget allocation, Emergency funding, Funds spend on supporting personnel's	Budget allocation, Emergency funding
Develop visualizations of the data presented	Detailed graph presentation	Detailed graph presentation
Make a detailed representation in Power BI	Convert all given unrelated details to official stats	Deliverable as requested by client
Using tableau make an assessment plan of the economic value	Make pie chart and global map stats of Canada	Fully deliverable
Collect reports regarding economic fall from Forbes	Full fledged report from Forbes about the last 4 years of Canada's economic stats	Mostly deliverable

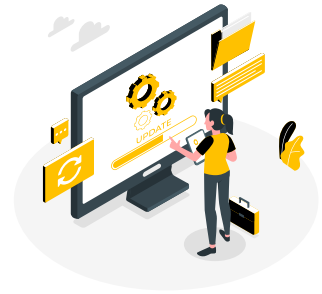
Updates the backlogs of projects

Impact of virus in economy and labor market	Impact on food industry and stock market	Impact on housing market and consumer spending	Impact on tourism sector and GDP	Impact on banking sector
Track changes in government spending and transfers to understand the role of public policy in mitigating the economic impact of the crisis.	Identify the stocks that have been most affected by the pandemic and compare their performance to the overall market.	Assess changes in consumer debt levels	Track changes in the value of the Canadian dollar	Track changes in the financial markets and markets related to the Canadian banking sector since the start of the pandemic.
Collect data from industry sources, such as trade associations, chambers of commerce, and government agencies.	Monitor the performance of individual stocks on a daily basis.	Examine employment data		Analyze the impact of government policies and measures on the Canadian banking sector during the pandemic.
Develop visualizations of the data to present the impact of the pandemic on the food industry.	Examine the impact of the pandemic on corporate profits, dividends, and buybacks.			

Next Sprint Backlog

Analyse the impact of the virus on the Canadian food Industry and stock market:

Our team will be focusing on how the virus may affect the Canadian food business and stock market over the forthcoming sprint 2.



Minutes of sprint review and sprint retrospective meetings

In order to work on our project, we have gathered information based on our initial client meeting. Based on the client's preferences and availability, we have gathered all the essential data as well as their requirements. The information will enable us to begin working on **PowerBI and Tableau**.

Making use of newly acquired Agile tools, processes, and concepts.

- Project backlog
- Daily Scrum
- Kanban
- Sprint Review
- Sprint Retrospective
- User Story
- DSDM
- Power BI
- Tableau

Making use of newly acquired Agile tools, processes, and concepts.

JIRA:

The foundation of JIRA is the agile software development philosophy, which emphasises teamwork, customer satisfaction, and the delivery of usable software as soon as possible. It also encourages a "time-boxed" method of project management, in which deadlines and milestones are established beforehand and must be met. The highly organised JIRA technique has a variety of particular roles, procedures, and activities. Projects that have a lot of uncertainty and call for frequent adjustments are a good fit for it.

Making use of newly acquired Agile tools, processes, and concepts.

The DSDM's Eight Principles:

1. Put the needs of the business first
2. Meet deadlines
3. Collaborate
4. Never skimp on quality
5. Build gradually on a solid basis.
6. Adapt continuously
7. Constantly and clearly communicate
8. Exhibit control

Thanks

