EXPORTING THE ANALYTICS

Date	12 November 2022
Team ID	PNT2022TMID44196
Project Name	Estimate crop yield using data analytics

In this project, we have used the crop production dataset and loaded it into the IBM Cognos and made visualizations.
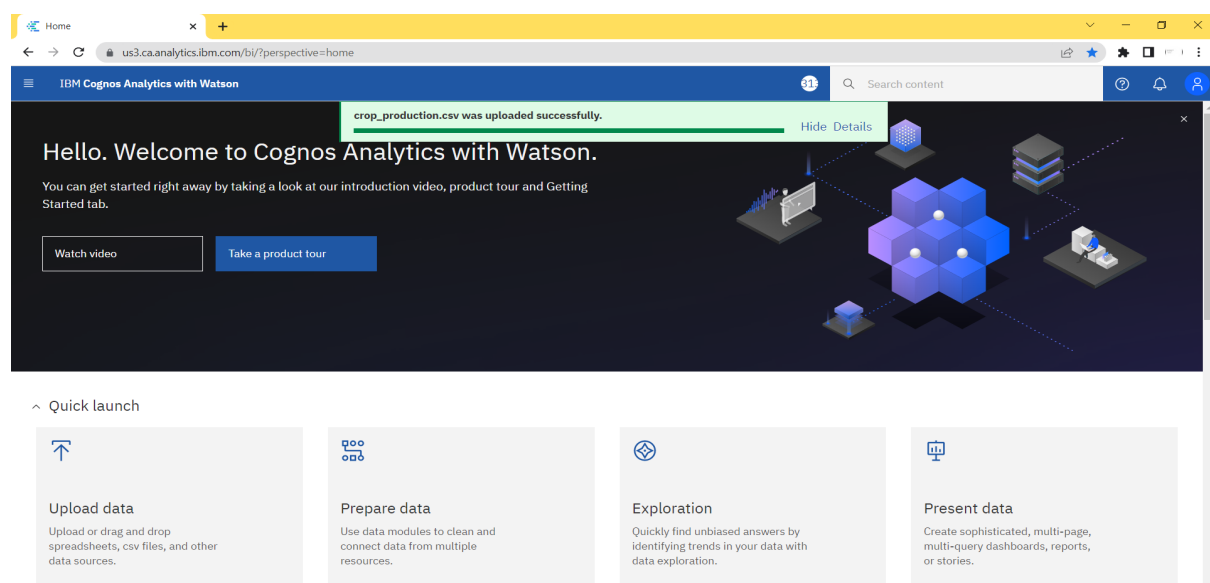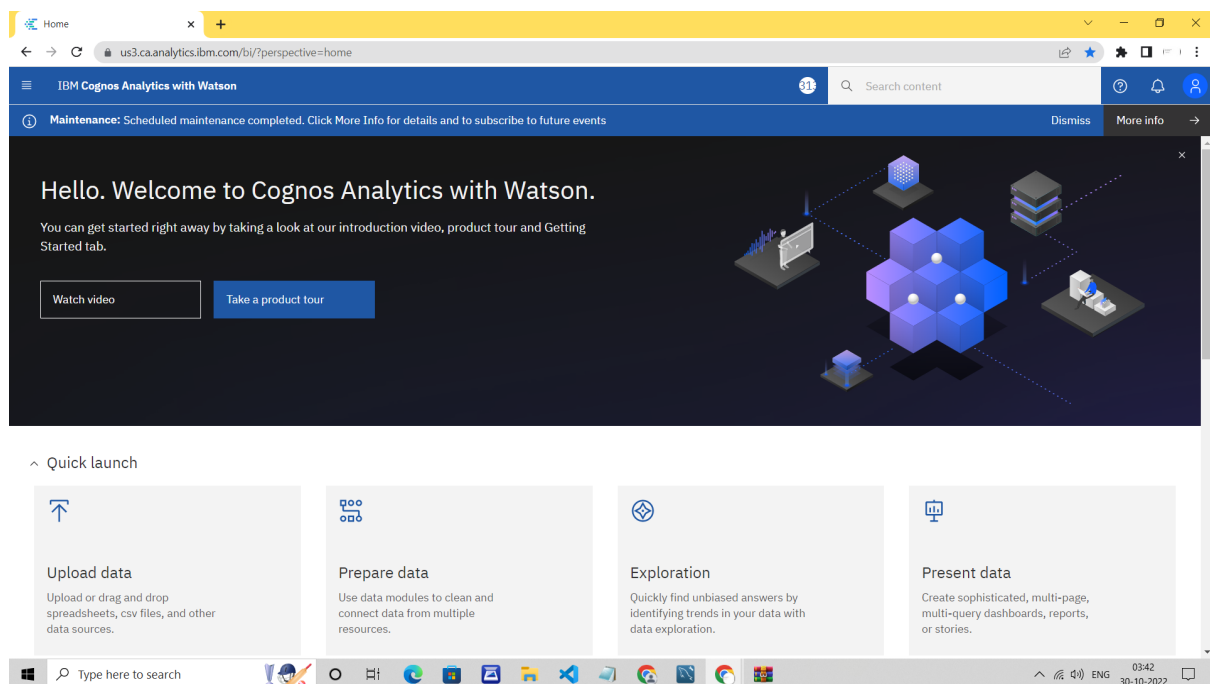
We have created,

- Different season with average production
- With years usage of area and production
- Top 10 states with most area
- State with crop prooduction
- Table for state name, season and crops.

Using these 5 tabs we have created a dashboard for crop yield estimation using cognos analytics.
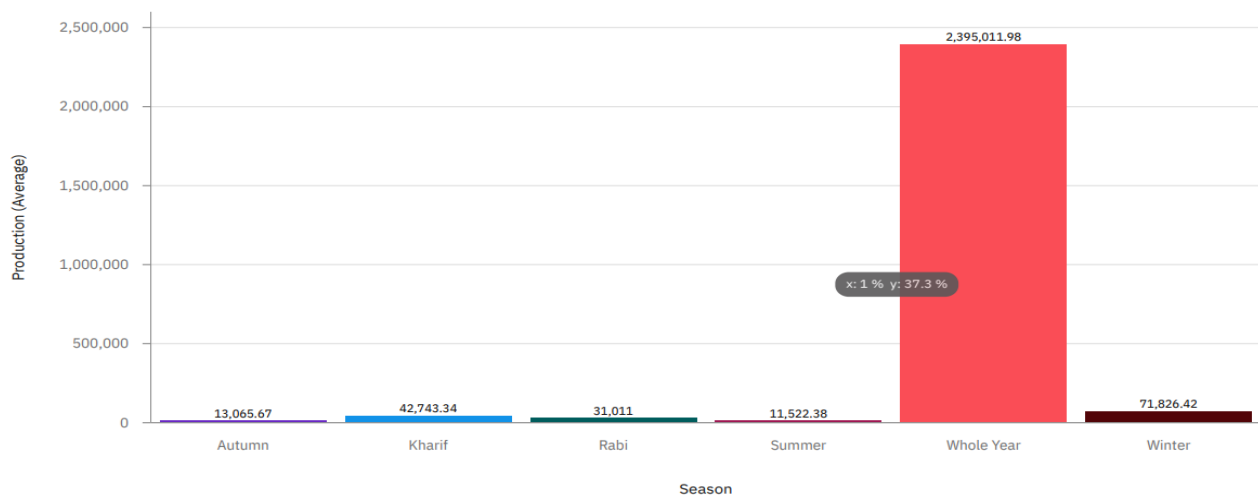
Seasons with average productions

Production by Season colored by Season

Season
- Autumn
- Kharif
- Rabi
- Summer
- Whole Year
- Winter
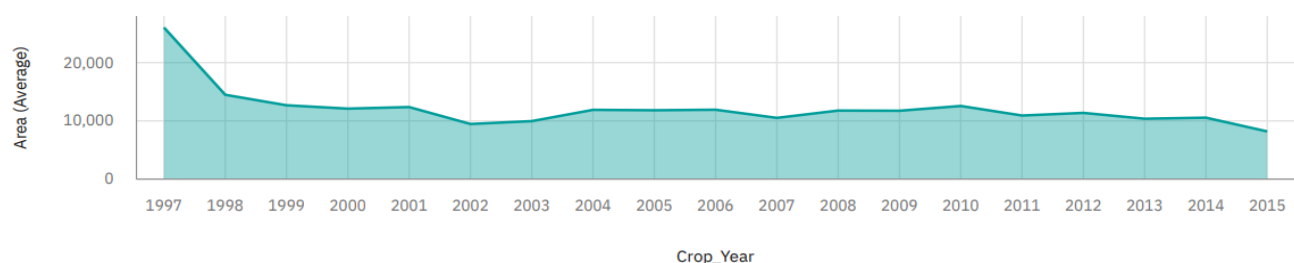
With Years Usage Of Area And Production

Area by Crop_Year

Top 10 States With Most Area

Area by State_Name colored by State_Name

State_Name
● Andhra Pradesh   ● Gujarat   ● Haryana   ● Madhya Pradesh   ● Maharashtra   ● Punjab   ● Rajasthan   ● Telangana
● Uttar Pradesh   ● West Bengal
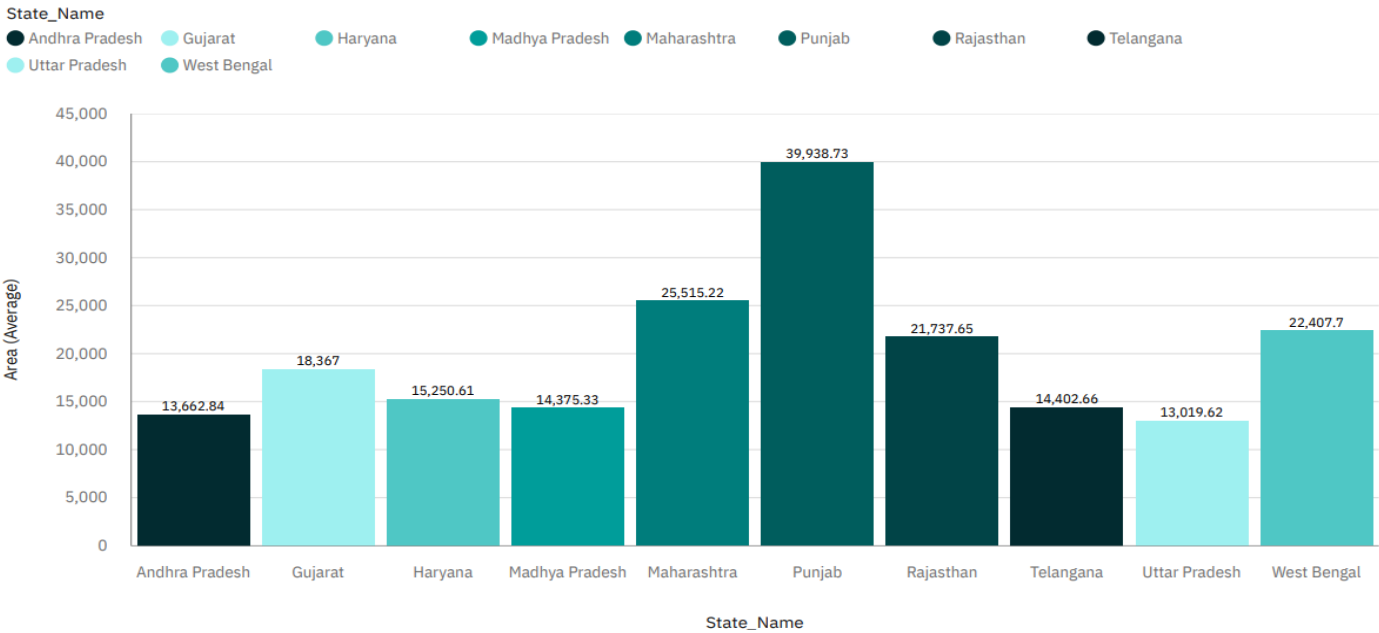
State With Crop Production

State_Name for State_Name regions

State_Name
● Assam   ● Gujarat   ● Maharashtra   ● Telangana   ● West Bengal
● Bihar   ● Chhattisgarh   ● Karnataka   ● Manipur   ● Haryana
● Madhya Pradesh   ● Meghalaya   ● Tamil Nadu   ● Uttar Pradesh   ● Andaman and Nicobar Islands
● Andhra Pradesh   ● Dadra and Nagar Haveli   ● Goa   ● Kerala   ● Puducherry
● Rajasthan
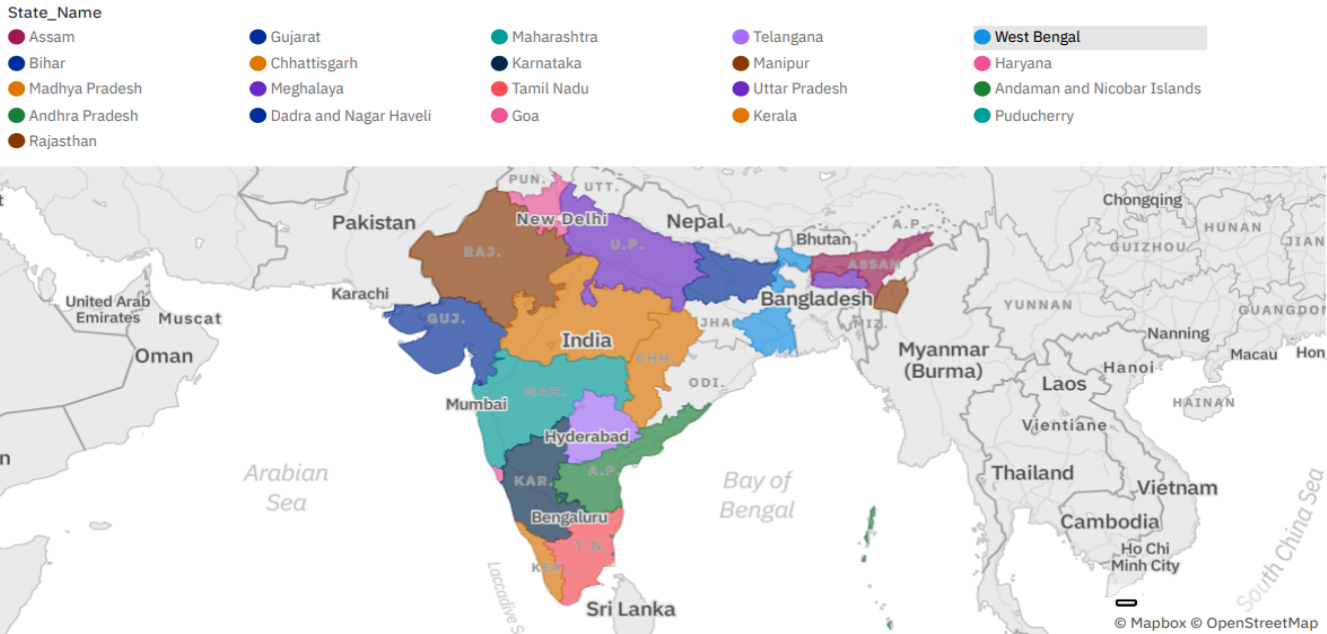
States With The Crop Production Along With Season (Text Table)

State_Name and Crop

Crop	State_Name
	Andaman and Nicobar Islands
	Andhra Pradesh
	Assam
	Bihar
	Chhattisgarh
	Dadra and Nagar Haveli
	Goa
Banana	Gujarat
	Haryana
	Karnataka
	Kerala
	Madhya Pradesh
	Maharashtra
	Manipur

Sprint 3-Dashboard

Tab 2

Production by Season colored by Season

Season
- Autumn
- Kharif
- Rabi
- Summer
- Whole Year
- Winter

2,743.33 19,408.82 3,227.68 38,203.19 1,767.14

Area by State_Name colored by State_Name

State_Name
- Andhra Pradesh
- Assam
- Goa
- Gujarat
- Karnataka
- Kerala
- Maharashtra
- Meghalaya
- Tamil Nadu

State_Name and Crop

Crop	State_Name
	Andaman and Nico...
	Andhra Pradesh
	Assam
	Bihar
Banana	Chhattisgarh
	Dadra and Nagar Ha...
	Goa
	Gujarat

Season and Crop

Crop	Season
	Autumn
	Kharif
	Rabi
Banana	Summer
	Whole Year
	Winter
	Kharif
Cashewnut	Rabi

Area by Crop_Year

2,993.45 2,299.76 2,144.35 2,524.14 2,567.88 2,377.94 2,319.93 2,644.55 2,632.89 2,564.8 2,435.65 2,600.61 2,430.41 2,509.65 2,586.79 2,164.39 2,961.26 2,383.22

1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014

Production by Crop_Year

65,690.87 40,209.41 32,256.42 28,527.75 25,700.52 24,075.67 36,048.25 31,524.82 35,997.27 41,915.29 47,152.46 41,269.33 39,064.84 33,407.89 44,498.34 24,131.59 34,543.56 10,832.21

1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014

State_Name for State_Name regions

State_Name
- Assam
- Gujarat
- Maharashtra
- Telangana
- Bihar
- Chhattisgarh
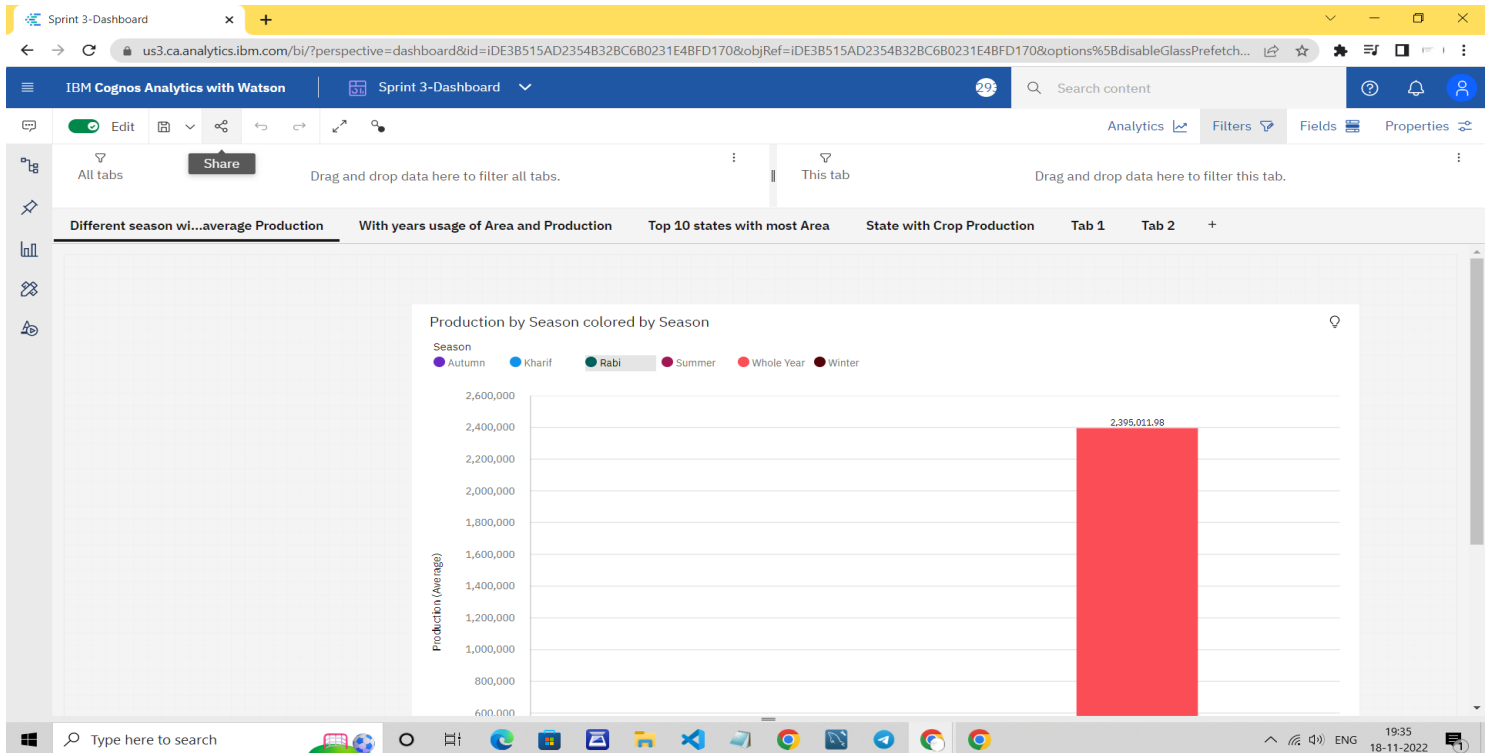- Karnataka
- Manipur
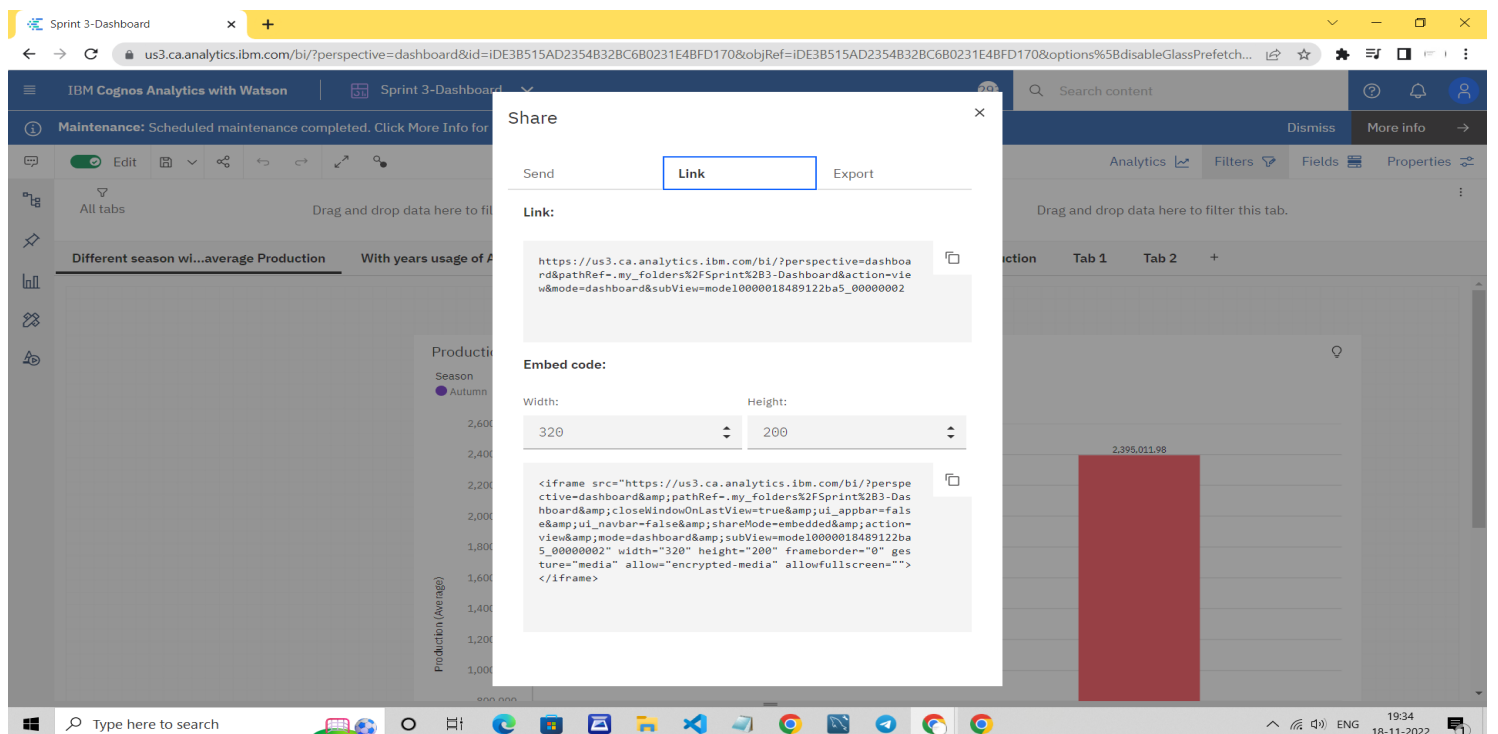
© Mapbox © OpenStreetMap

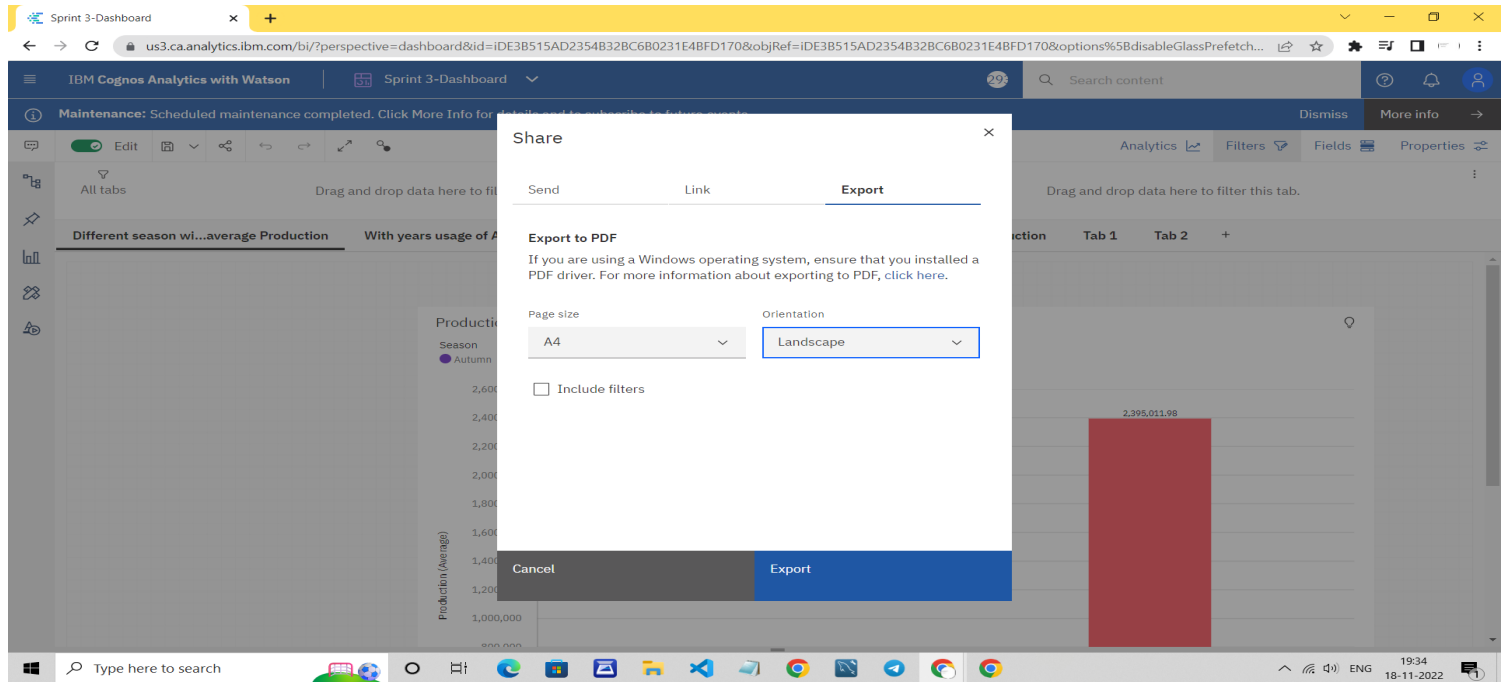# Exporting Steps:

1.Go to SHARE option

2.Choose the desired option

3.Click EXPORT

<u>URL of the analytics:</u>

https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FSprint%2B3-Dashboard&action=view&mode=dashboard&subView=model0000018489122ba5_00000002