

**World Population Data Analytics using IBM Cognos**

**A PROJECT REPORT**

**Submitted by  
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in partial fulfilment for the award of the degree  
of

**BACHELOR OF TECHNOLOGY**  
in  
**PROGRAM OF STUDY**



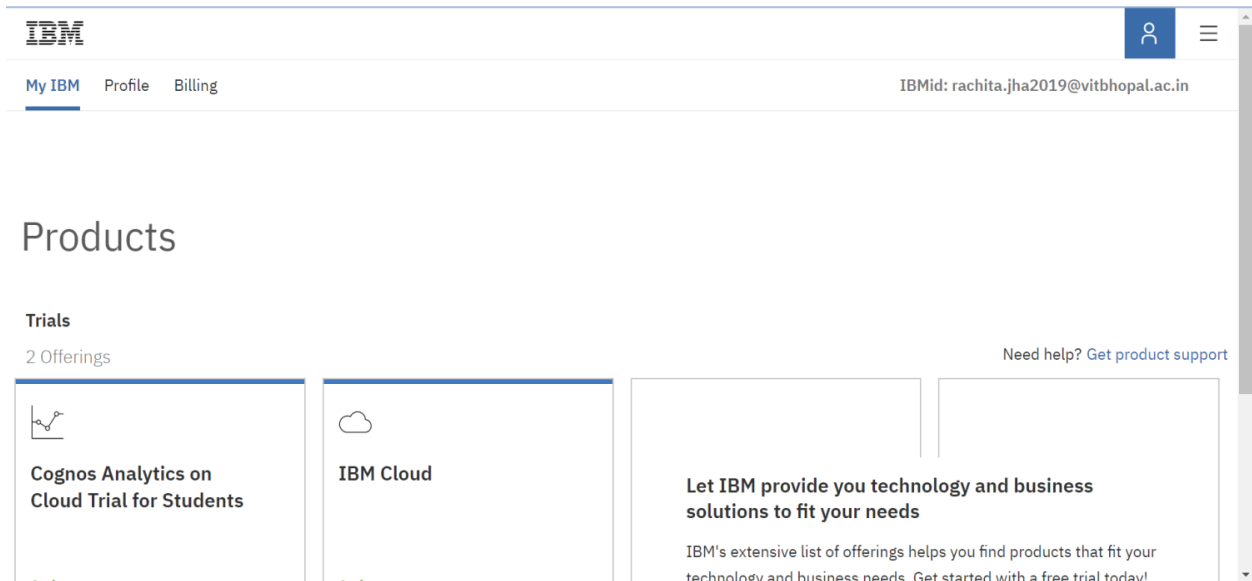
SCHOOL OF COMPUTING SCIENCE AND ENGINEERING  
**VIT BHOPAL UNIVERSITY**  
**KOTRIKALAN, SEHORE**  
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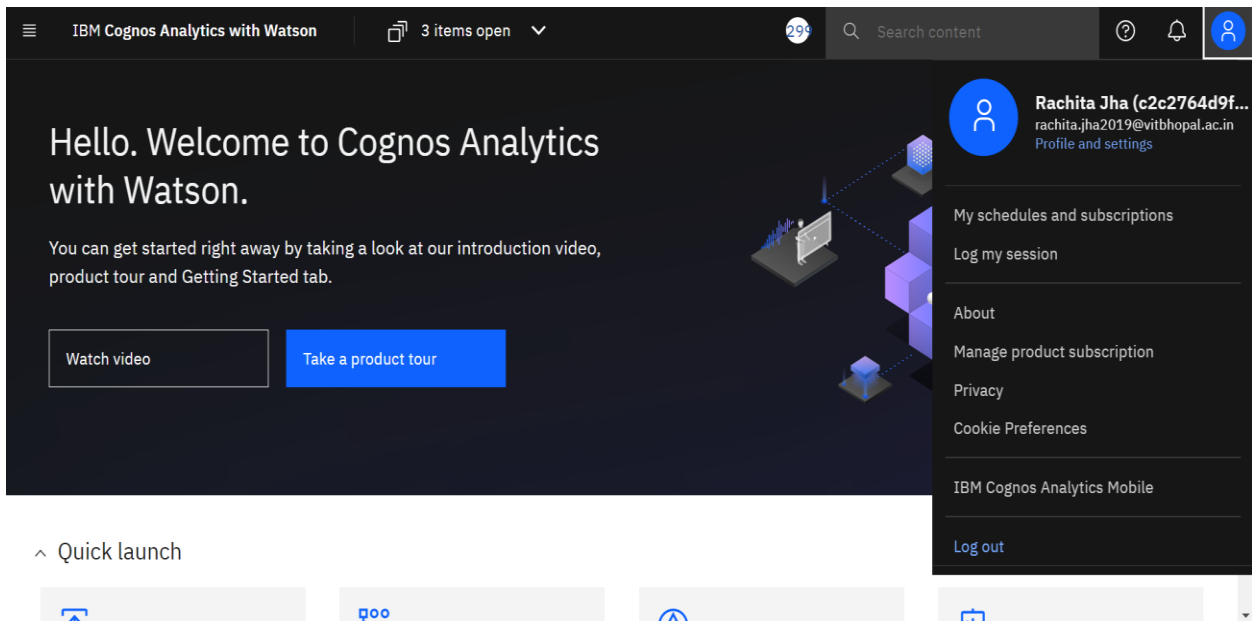
# SCREENSHOTS OF RESULT

## PROCESS

### IBM Cloud Creation

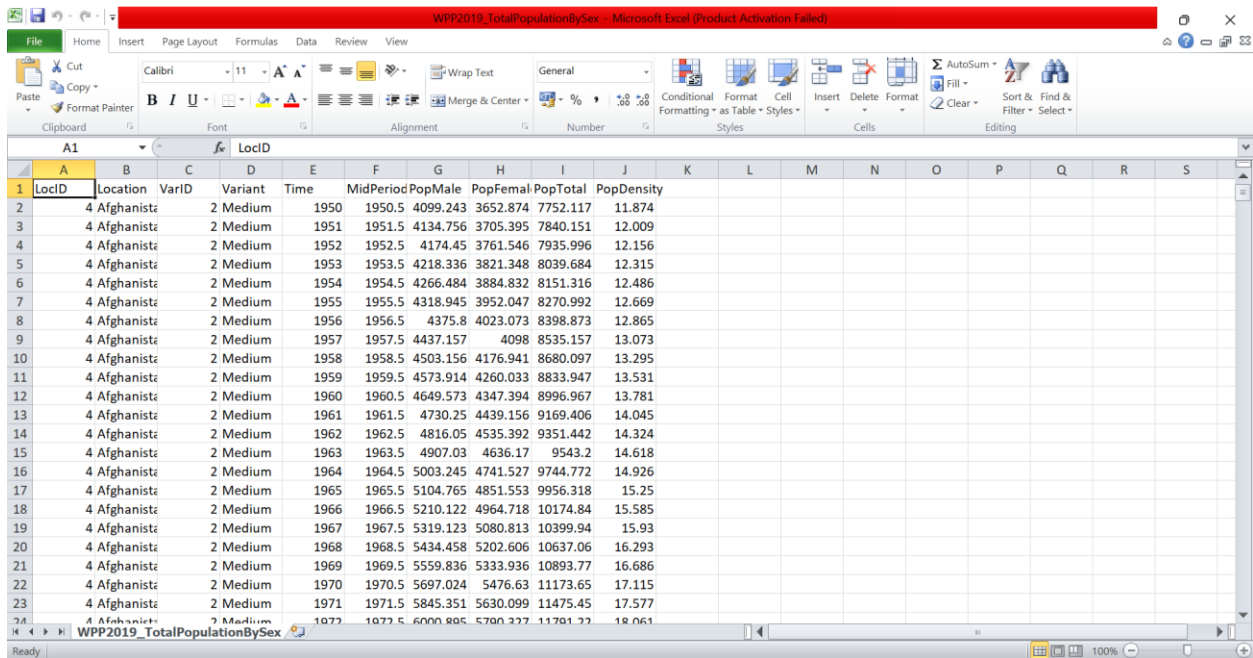


### IBM Cognos Analytics



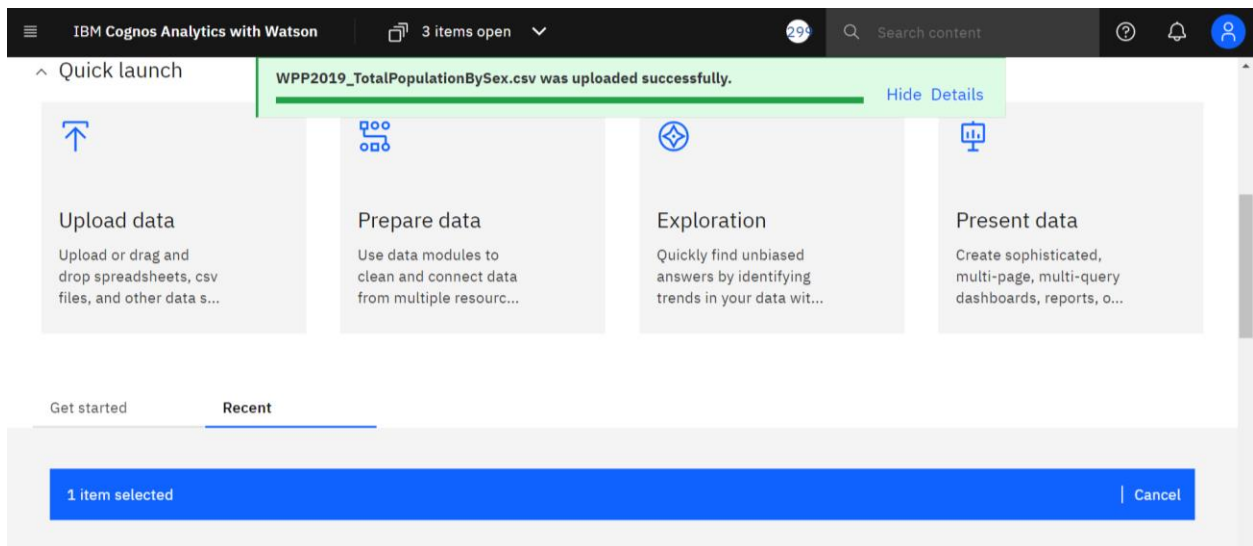
## Working with the dataset

### Understand the dataset



LocID	Location	VarID	Variant	Time	MidPeriod	PopMale	PopFemal	PopTotal	PopDensity
4	Afghanistan	2	Medium	1950	1950.5	4099.243	3652.874	7752.117	11.874
4	Afghanistan	2	Medium	1951	1951.5	4134.756	3705.395	7840.151	12.009
4	Afghanistan	2	Medium	1952	1952.5	4174.45	3761.546	7935.996	12.156
4	Afghanistan	2	Medium	1953	1953.5	4218.336	3821.348	8039.684	12.315
4	Afghanistan	2	Medium	1954	1954.5	4266.484	3884.832	8151.316	12.486
4	Afghanistan	2	Medium	1955	1955.5	4318.945	3952.047	8270.992	12.669
4	Afghanistan	2	Medium	1956	1956.5	4375.8	4023.073	8398.873	12.865
4	Afghanistan	2	Medium	1957	1957.5	4437.157	4098	8535.157	13.073
4	Afghanistan	2	Medium	1958	1958.5	4503.156	4176.941	8680.097	13.295
4	Afghanistan	2	Medium	1959	1959.5	4573.914	4260.033	8833.947	13.531
4	Afghanistan	2	Medium	1960	1960.5	4649.573	4347.394	8996.967	13.781
4	Afghanistan	2	Medium	1961	1961.5	4730.25	4439.156	9169.406	14.045
4	Afghanistan	2	Medium	1962	1962.5	4816.05	4535.392	9351.442	14.324
4	Afghanistan	2	Medium	1963	1963.5	4907.03	4636.17	9543.2	14.618
4	Afghanistan	2	Medium	1964	1964.5	5003.245	4741.527	9744.772	14.926
4	Afghanistan	2	Medium	1965	1965.5	5104.765	4851.553	9956.318	15.25
4	Afghanistan	2	Medium	1966	1966.5	5210.122	4964.718	10174.84	15.585
4	Afghanistan	2	Medium	1967	1967.5	5319.123	5080.813	10399.94	15.93
4	Afghanistan	2	Medium	1968	1968.5	5434.458	5202.606	10637.06	16.293
4	Afghanistan	2	Medium	1969	1969.5	5559.836	5333.936	10893.77	16.686
4	Afghanistan	2	Medium	1970	1970.5	5697.024	5476.63	11173.65	17.115
4	Afghanistan	2	Medium	1971	1971.5	5845.351	5630.099	11475.45	17.577
4	Afghanistan	2	Medium	1972	1972.5	6000.805	5790.227	11791.03	18.061

### Loading the dataset



IBM Cognos Analytics with Watson

3 items open

WPP2019\_TotalPopulationBySex.csv was uploaded successfully. [Hide Details](#)

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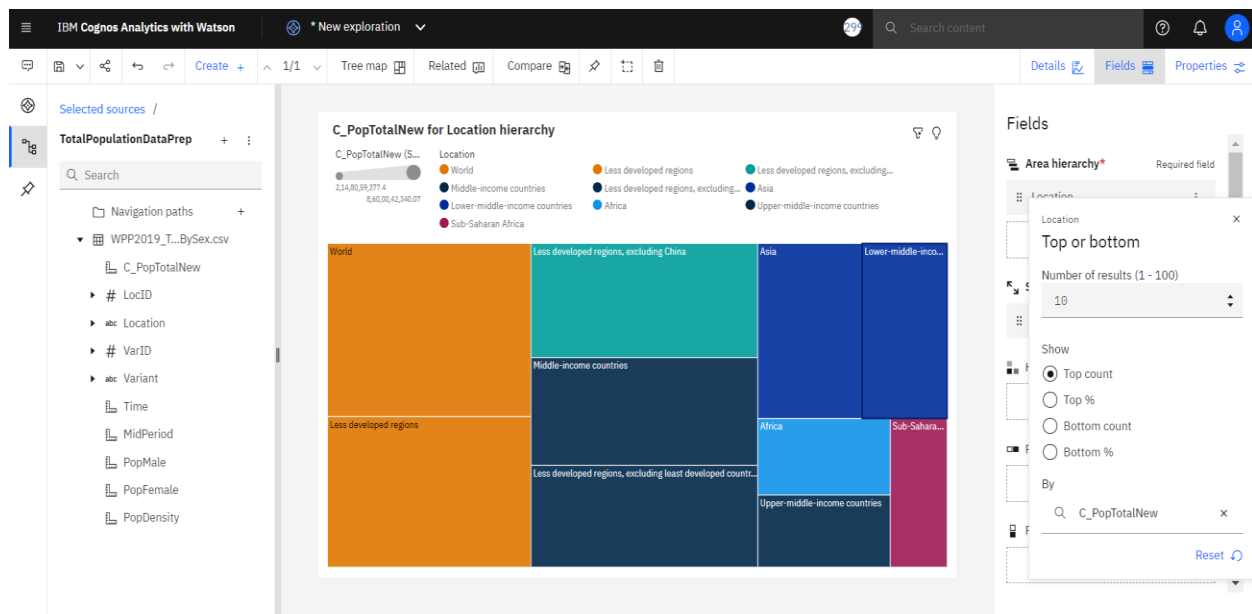
### Prepare the datasets

Row Id	LocID	Location	VarID	Variant
1	4	Afghanistan	2	Medium
2	4	Afghanistan	2	Medium
3	4	Afghanistan	2	Medium
4	4	Afghanistan	2	Medium
5	4	Afghanistan	2	Medium
6	4	Afghanistan	2	Medium
7	4	Afghanistan	2	Medium
8	4	Afghanistan	2	Medium

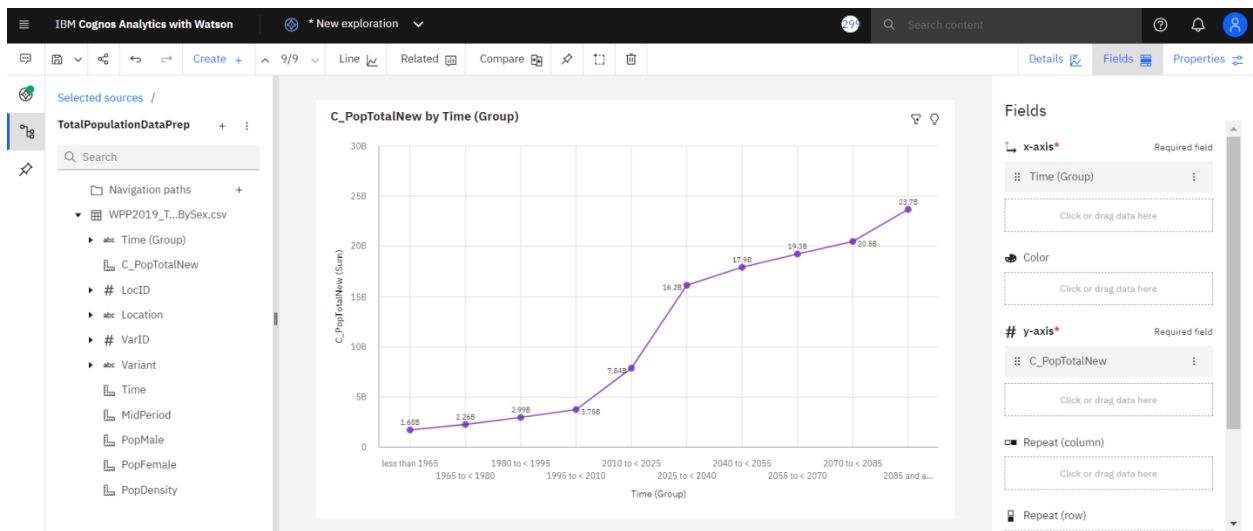
## RESULT

### Data Visualization Chart

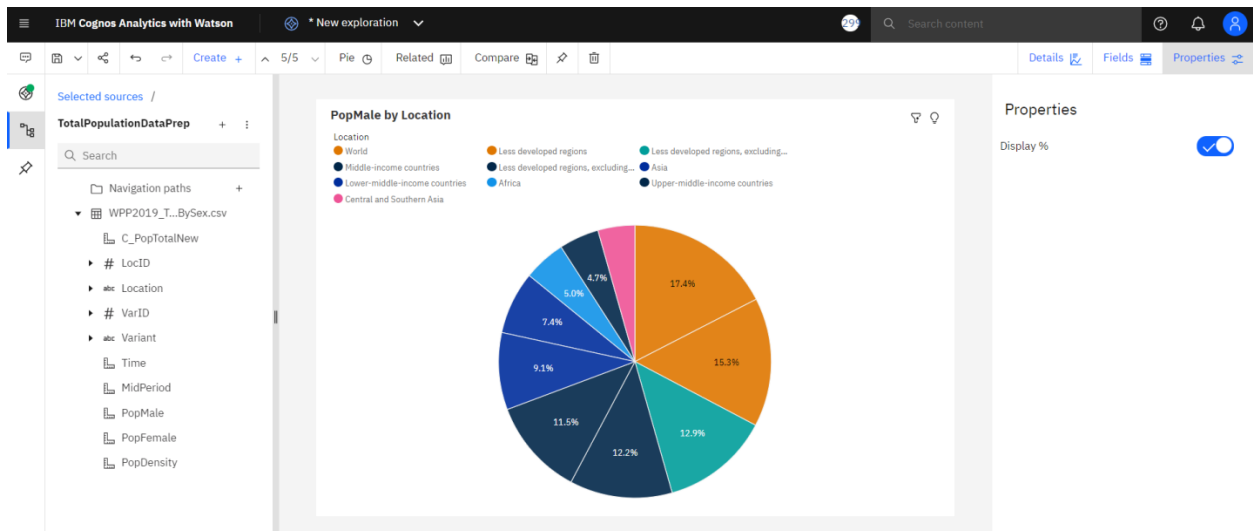
#### Top10 Pop Total by Location Using Tree Map



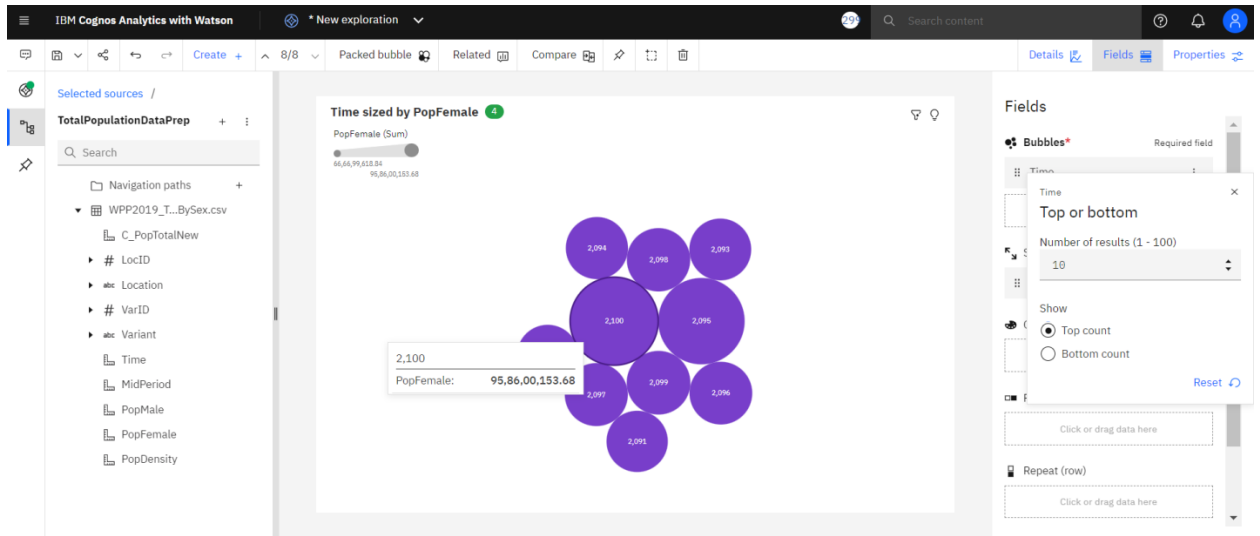
#### Pop Total by Time Using Line Chart



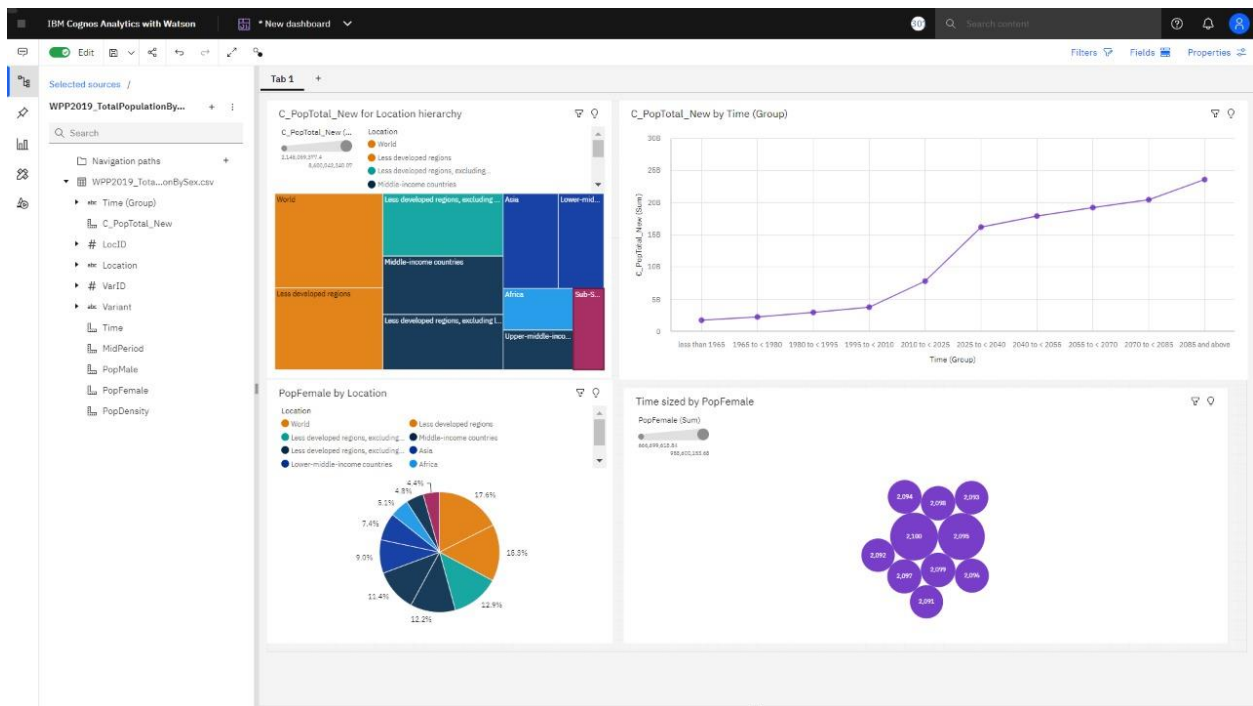
## Pop Male by Location and Pop Female by Location using Pie Charts







## Building of Dashboard



## Pop Male, Pop Female and Pop Total using Summary

