

Student ID: STU6407ec1e09ed81678240798

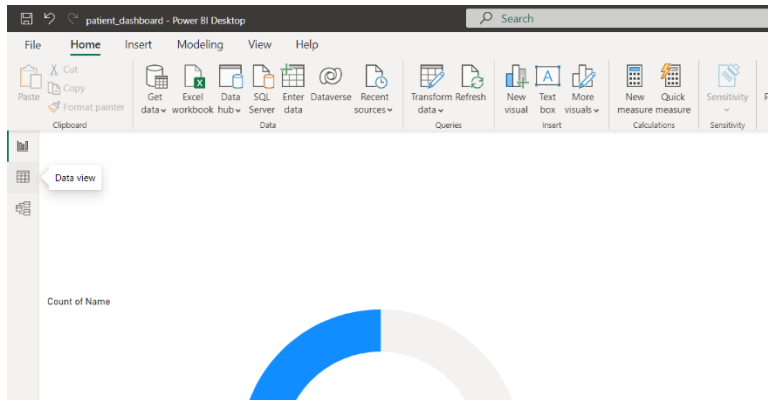
Name: Manakavoo siva balaji A

P12 - Health Care Data Driven Decisions using Power BI (DA)

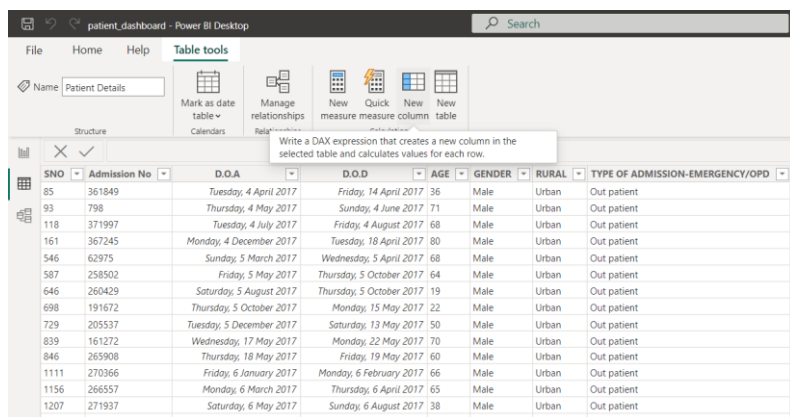
Week 2 work

1 . Create a New Columns

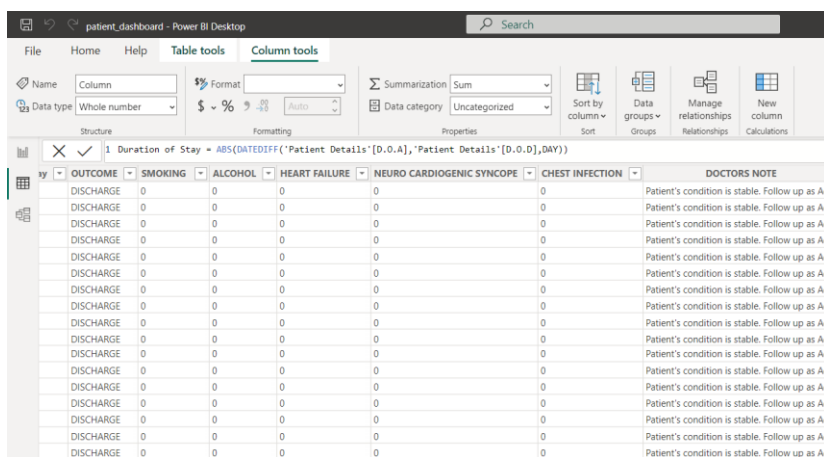
a) Click on the '**Modeling**' tab in the ribbon at the top.



b)Click on '**New Column**'.



c)Enter the following **DAX expressions** one by one for each new column:



d) Click 'Enter' to create each column.

patient_dashboard - Power BI Desktop

File Home Help Table tools Column tools

Name: Column Format: % Summarization: Sum Data category: Uncategorized Sort by column: Sort Data groups: Groups Manage relationships: Relationships New column: Calculations

Structure: 1 Duration of Stay = ABS(DATEDIFF('Patient Details'[D.O.A],'Patient Details'[D.O.D],DAY))
2 Smoking = IF('Patient Details'[SMOKING]=0,"No","Yes")
3 Alcohol = IF('Patient Details'[ALCOHOL]=0,"No","Yes")
4 Sugar = IF('Patient Details'[DI]=0,"No","Yes")
5 BP = IF('Patient Details'[HTN]=0,"No","Yes")
6 Kidney = IF('Patient Details'[CKD]=0,"No","Yes")
7

KING	ALCOHOL	HEART FAILURE	NEURO CARDIOGENIC SYNOPE	CHEST INFECTION	DOCTORS NOTE	Duration of Stay	AI
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	10	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	31	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	31	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	230	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	31	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	153	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	61	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	143	Nc
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	206	Nc
n	n	n	n	n	n Patient's condition is stable. Follow up as Advised	n	Nc

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File Home Help Table tools Column tools

Name: Column Format: % Summarization: Sum Data category: Uncategorized Sort by column: Sort Data groups: Groups Manage relationships: Relationships New column: Calculations

Structure: 1 age_group = SWITCH(TRUE(),
2 'Patient Details'[AGE]<=25,"1-25",
3 'Patient Details'[AGE]<=50,"26-50",
4 'Patient Details'[AGE]<=75,"51-75",
5 'Patient Details'[AGE]<=100,"76-100",
6 'Patient Details'[AGE]<=125,"101-125"
7)
8

KING	ALCOHOL	HEART FAILURE	NEURO CARDIOGENIC SYNOPE	CHEST INFECTION	DOCTORS NOTE	Duration of Stay	Alco
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	10	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	31	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	31	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	230	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	31	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	153	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	61	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	143	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	206	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	5	No
0	0	0	0	0	0 Patient's condition is stable. Follow up as Advised.	1	No
n	n	n	n	n	n Patient's condition is stable. Follow up as Advised	n	No

2 . Creating New Measure

a) Click on 'New Measure'.

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File Home Help Table tools

Name: Patient Details Mark as date table Manage relationships New Quick New New table

Structure: Write a DAX expression that calculates a value from your data.

SNO	Admission No	D.O.A	D.O.D	AGE	GENDER	RURAL	TYPE OF ADMISSION-EMERGENCY/OPD	month year
85	361849	Tuesday, 4 April 2017	Friday, 14 April 2017	36	Male	Urban	Out patient	01/04/2017
93	798	Thursday, 4 May 2017	Sunday, 4 June 2017	71	Male	Urban	Out patient	01/04/2017
118	371997	Tuesday, 4 July 2017	Friday, 4 August 2017	68	Male	Urban	Out patient	01/04/2017
161	367245	Monday, 4 December 2017	Tuesday, 18 April 2017	80	Male	Urban	Out patient	01/04/2017
546	62975	Sunday, 5 March 2017	Wednesday, 5 April 2017	68	Male	Urban	Out patient	01/05/2017
587	258502	Friday, 5 May 2017	Thursday, 5 October 2017	64	Male	Urban	Out patient	01/05/2017
646	260429	Saturday, 5 August 2017	Thursday, 5 October 2017	19	Male	Urban	Out patient	01/05/2017
698	191672	Thursday, 5 October 2017	Monday, 15 May 2017	22	Male	Urban	Out patient	01/05/2017
729	205537	Tuesday, 5 December 2017	Saturday, 13 May 2017	50	Male	Urban	Out patient	01/05/2017
839	161272	Wednesday, 17 May 2017	Monday, 22 May 2017	70	Male	Urban	Out patient	01/05/2017
846	265908	Thursday, 18 May 2017	Friday, 19 May 2017	60	Male	Urban	Out patient	01/05/2017
1111	270366	Friday, 6 January 2017	Monday, 6 February 2017	66	Male	Urban	Out patient	01/06/2017
1156	266557	Monday, 6 March 2017	Thursday, 6 April 2017	65	Male	Urban	Out patient	01/06/2017
1207	271937	Saturday, 6 May 2017	Sunday, 6 August 2017	38	Male	Urban	Out patient	01/06/2017
1208	238625	Saturday, 6 May 2017	Tuesday, 6 June 2017	56	Male	Urban	Out patient	01/06/2017

b) Enter the following DAX expressions one by one for each new measure:

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File Home Help Table tools Measure tools

Name: Total Patients Format: Whole number Data category: Uncategorized

Structure: 1 Total Patients = COUNTROWS('Patient Details')
2 Males = DIVIDE(CALCULATE([Total Patients],Patient Details[GENDER]~"Male"),[Total Patient])
3 Females = DIVIDE(CALCULATE([Total Patients],Patient Details[GENDER]~"Female"),[Total Patient])
4

SNO	Admission No	D.O.A	D.O.D	AGE	GENDER	RURAL	TYPE OF ADMISSION-EMERGENCY/OPD	month ye
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