ASSIGNMENT: 1

What is PowerBi?

PowerBi is a market leader in data management crisis. This tool mainly aims to help organisations or individuals to visualise and organise their data. This tool is developed by Microsoft. Power BI offers users with little to no understanding of data visualizations to easily build charts and graphs that transform their data into tangible business insights.

There are three versions of PowerBi :

- **PowerBi Desktop**
- **PowerBi Pro**
- **PowerBi Premium**

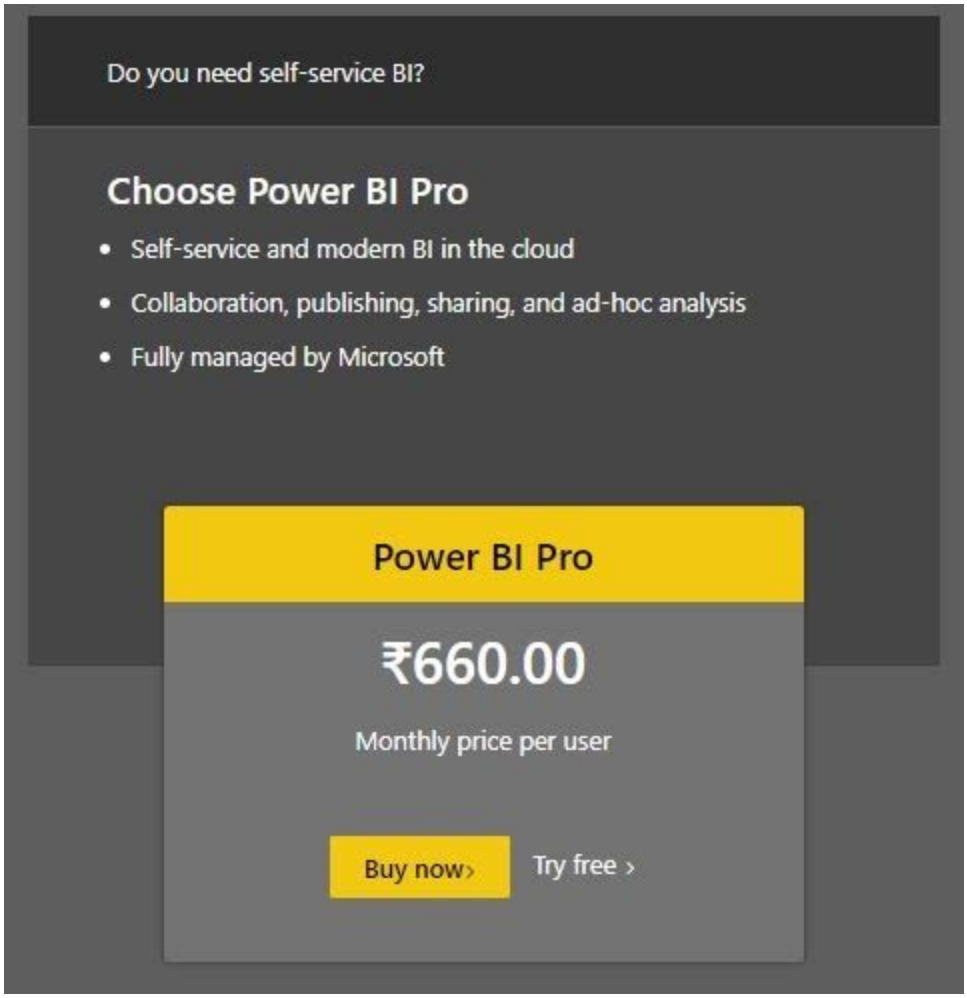
PowerBi Desktop :

PowerBi Desktop is a free version of PowerBi. Therefore it has only basic features of PowerBi. These basic features are good enough for a learner or an individual. You can connect to multiple different sources of data, and combine them (often called modelling) into a data model.

It’s the perfect version to start with for all skill levels - whether you’re non-IT and wants to make your reports more interactive, or analysts seeking richer detail, it's one of the best business analytics tools to use.

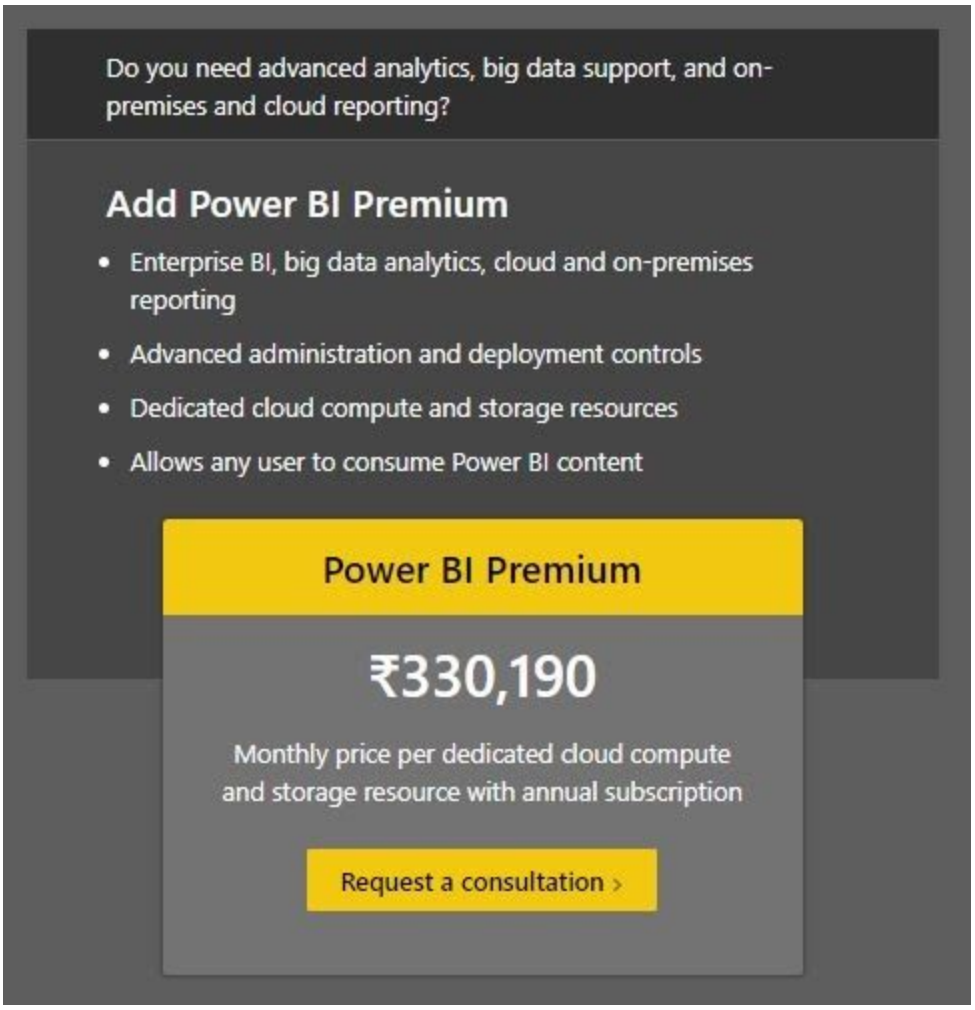
PowerBi Pro :

PowerBi is Included with Office 365 Enterprise E5. In Powerbi Pro you can share the Dashboards and reports with others. The key difference between free and pro that dashboards and reports can be integrated into you Microsoft Word or PowerPoint. Maximum size of a single dataset can be of 1 GB and storage capacity of 10GB. Content can be view and interact in Andriod and iOS phones

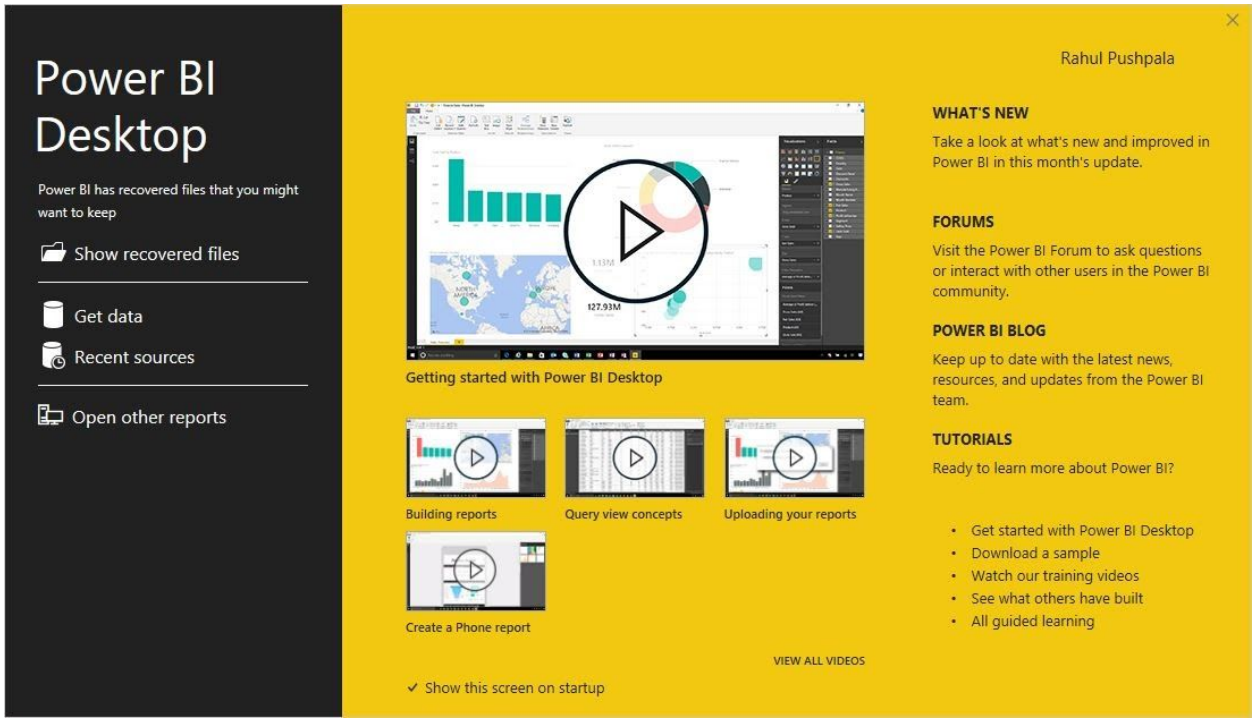


PowerBi Premium:

PowerBi premium tier is more like a company subscription plan so that the organisation can work and share the content peer-to-peer. Maximum size of a single dataset can be of 50GB and storage capacity of 1TB(1000GB). It even has a dedicated Compute processing environment.

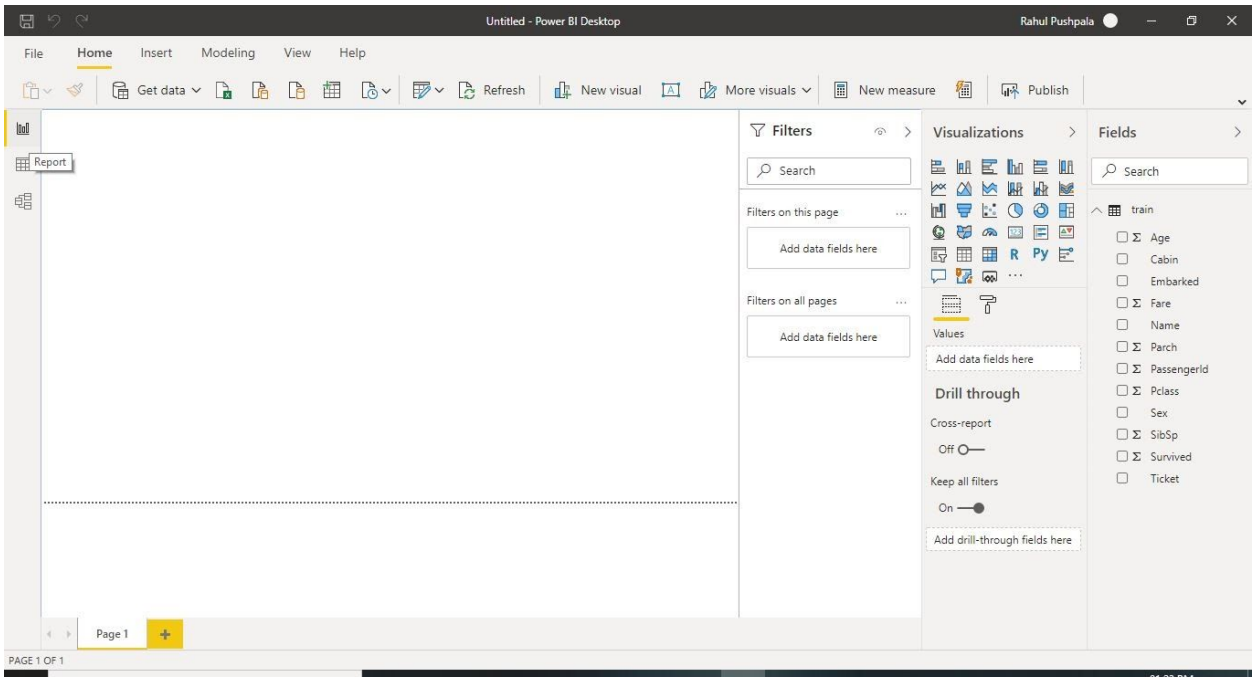


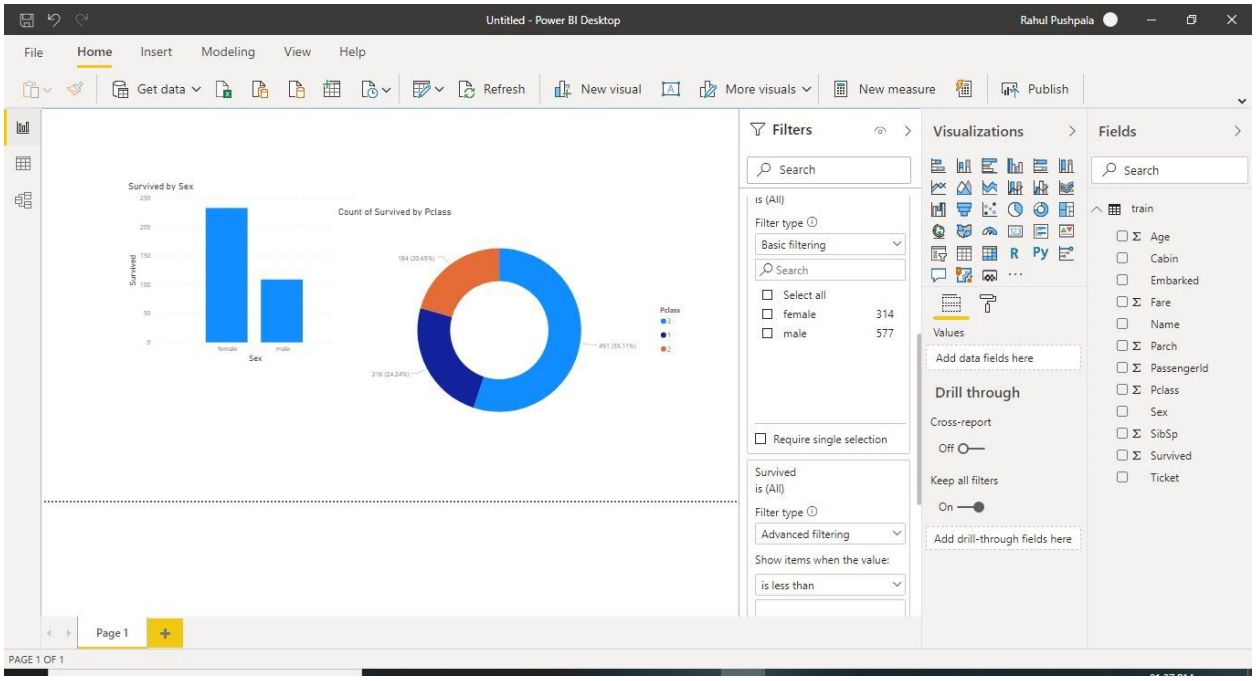
- **Screenshot of the report view page which appears when power desktop starts.**



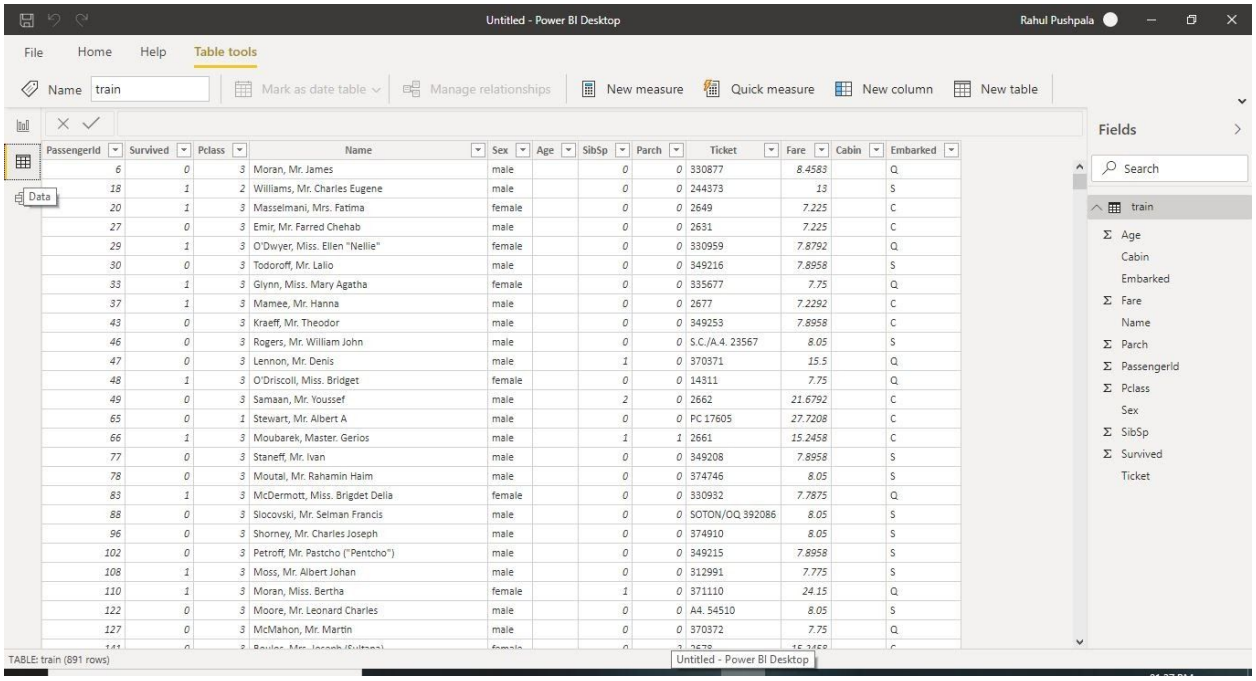
- **Screenshots of Report View, Data View, Model View, Power Query Editor and Advanced Editor.**

Report View :



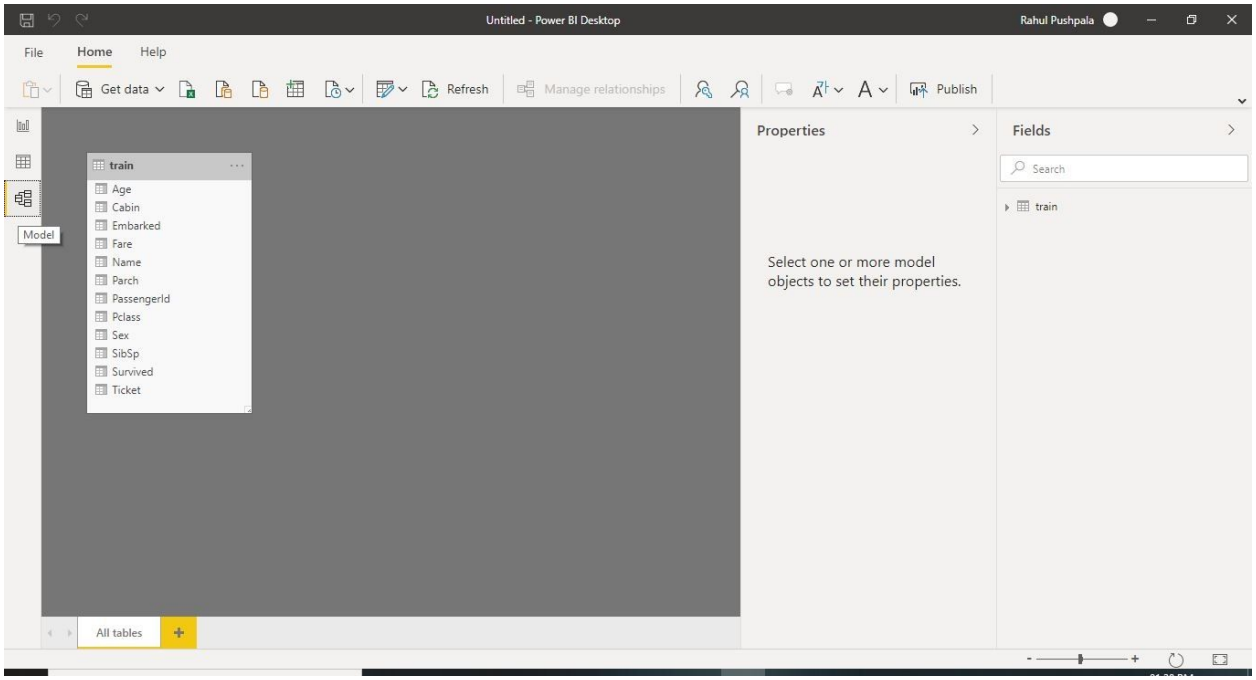


Data View:

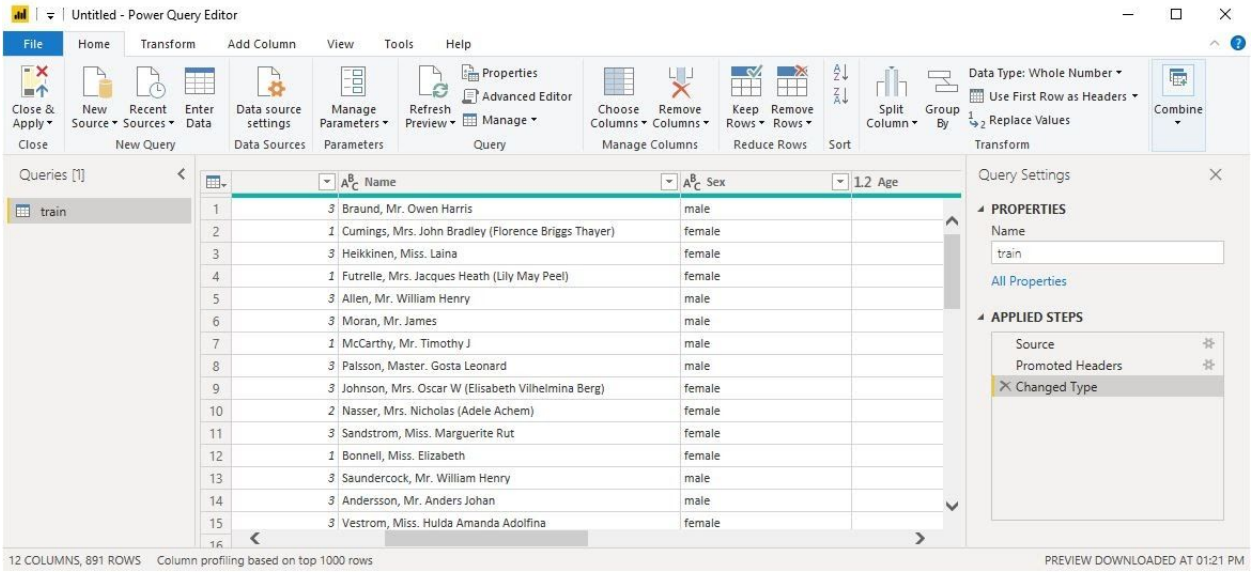


PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
6	0	3	Moran, Mr. James	male		0	0	330877	8.4583		Q
18	1	2	Williams, Mr. Charles Eugene	male		0	0	244373	13		S
20	1	3	Masselmani, Mrs. Fatima	female		0	0	2649	7.225		C
27	0	3	Emir, Mr. Farred Chehab	male		0	0	2631	7.225		C
29	1	3	O'Dwyer, Miss. Ellen "Nellie"	female		0	0	330959	7.8792		Q
30	0	3	Todoroff, Mr. Lalio	male		0	0	349216	7.8958		S
33	1	3	Glynn, Miss. Mary Agatha	female		0	0	335677	7.75		Q
37	1	3	Mamee, Mr. Hanna	male		0	0	2677	7.2292		C
43	0	3	Kraeff, Mr. Theodor	male		0	0	349253	7.8958		C
46	0	3	Rogers, Mr. William John	male		0	0	S.C./A.4. 23567	8.05		S
47	0	3	Lennon, Mr. Denis	male		1	0	370371	15.5		Q
48	1	3	O'Driscoll, Miss. Bridget	female		0	0	14311	7.75		Q
49	0	3	Samaan, Mr. Youssef	male		2	0	2662	21.6792		C
65	0	1	Stewart, Mr. Albert A	male		0	0	PC 17605	27.7208		C
66	1	3	Moubarek, Master. Gerios	male		1	1	2661	15.2458		C
77	0	3	Staneff, Mr. Ivan	male		0	0	349208	7.8958		S
78	0	3	Moutal, Mr. Rahamin Haim	male		0	0	374746	8.05		S
83	1	3	McDermott, Miss. Brigdet Delia	female		0	0	330932	7.7875		Q
88	0	3	Slocovski, Mr. Selman Francis	male		0	0	SOTON/OQ 392086	8.05		S
96	0	3	Shorney, Mr. Charles Joseph	male		0	0	374910	8.05		S
102	0	3	Petroff, Mr. Pastcho ("Pentcho")	male		0	0	349215	7.8958		S
108	1	3	Moss, Mr. Albert Johan	male		0	0	312991	7.775		S
110	1	3	Moran, Miss. Bertha	female		1	0	371110	24.15		Q
122	0	3	Moore, Mr. Leonard Charles	male		0	0	A4. 54510	8.05		S
127	0	3	McMahon, Mr. Martin	male		0	0	370372	7.75		Q

Model View:



Power Query Editor:



Advanced Editor: