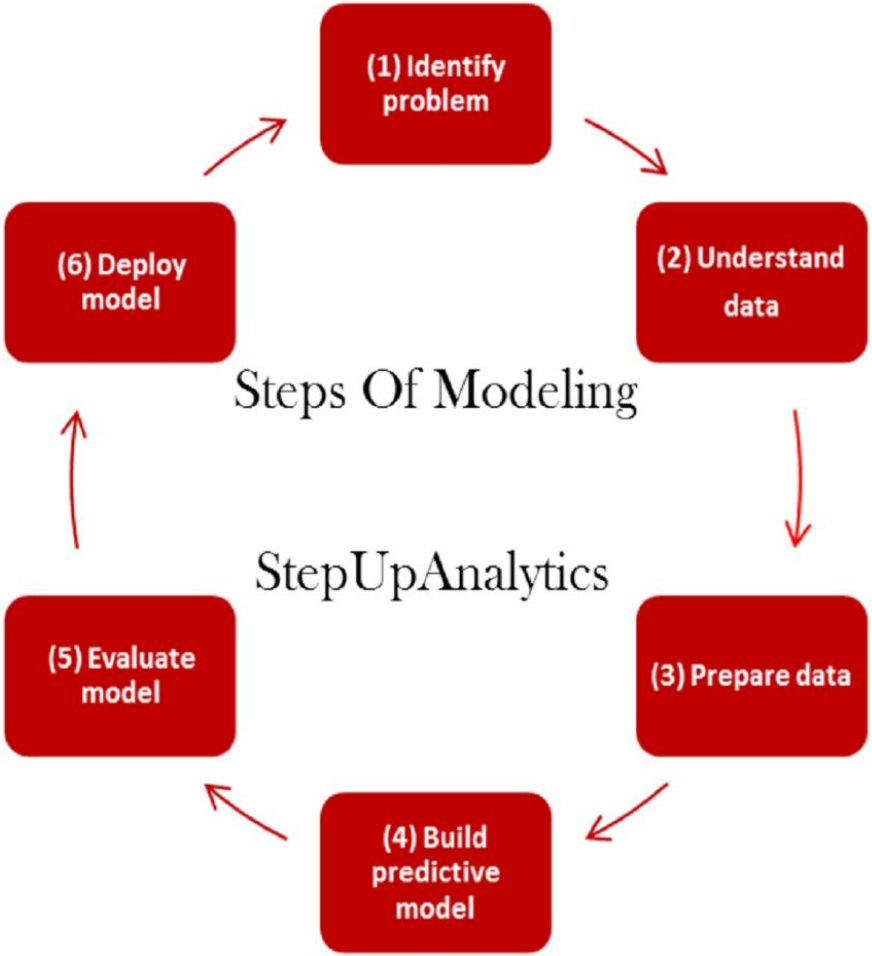
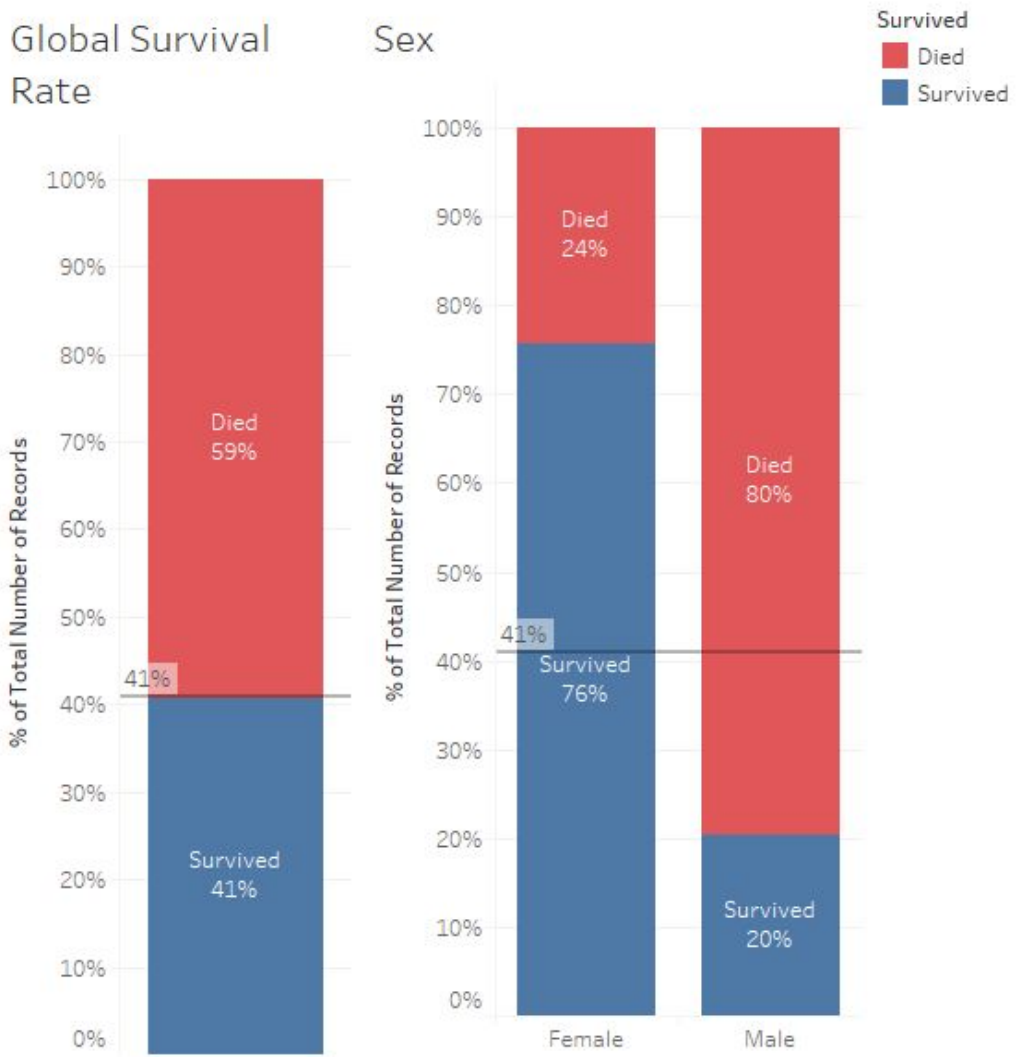
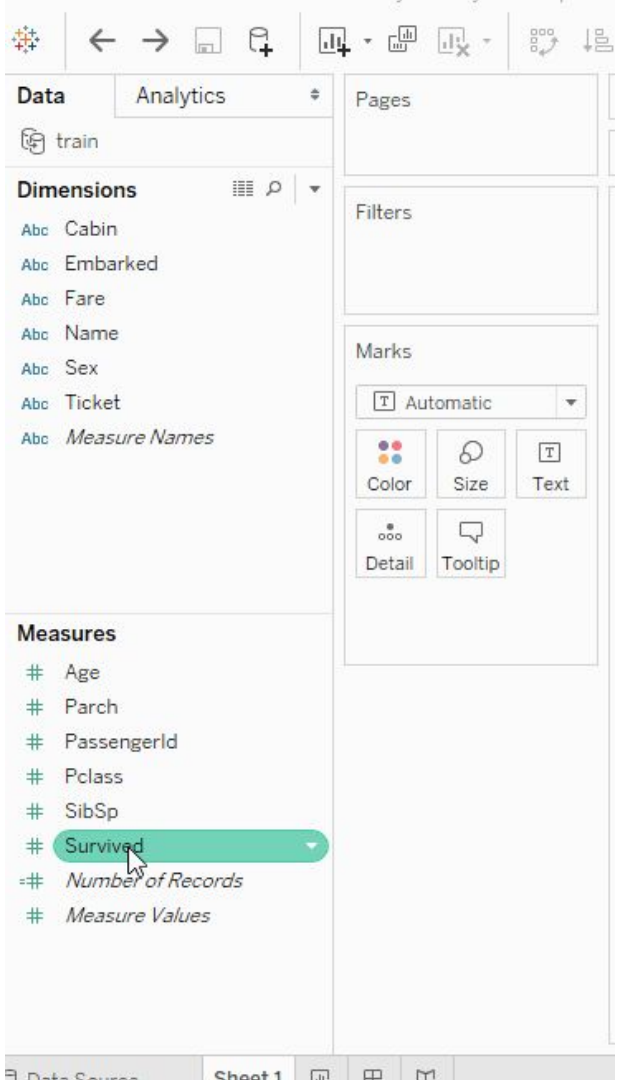
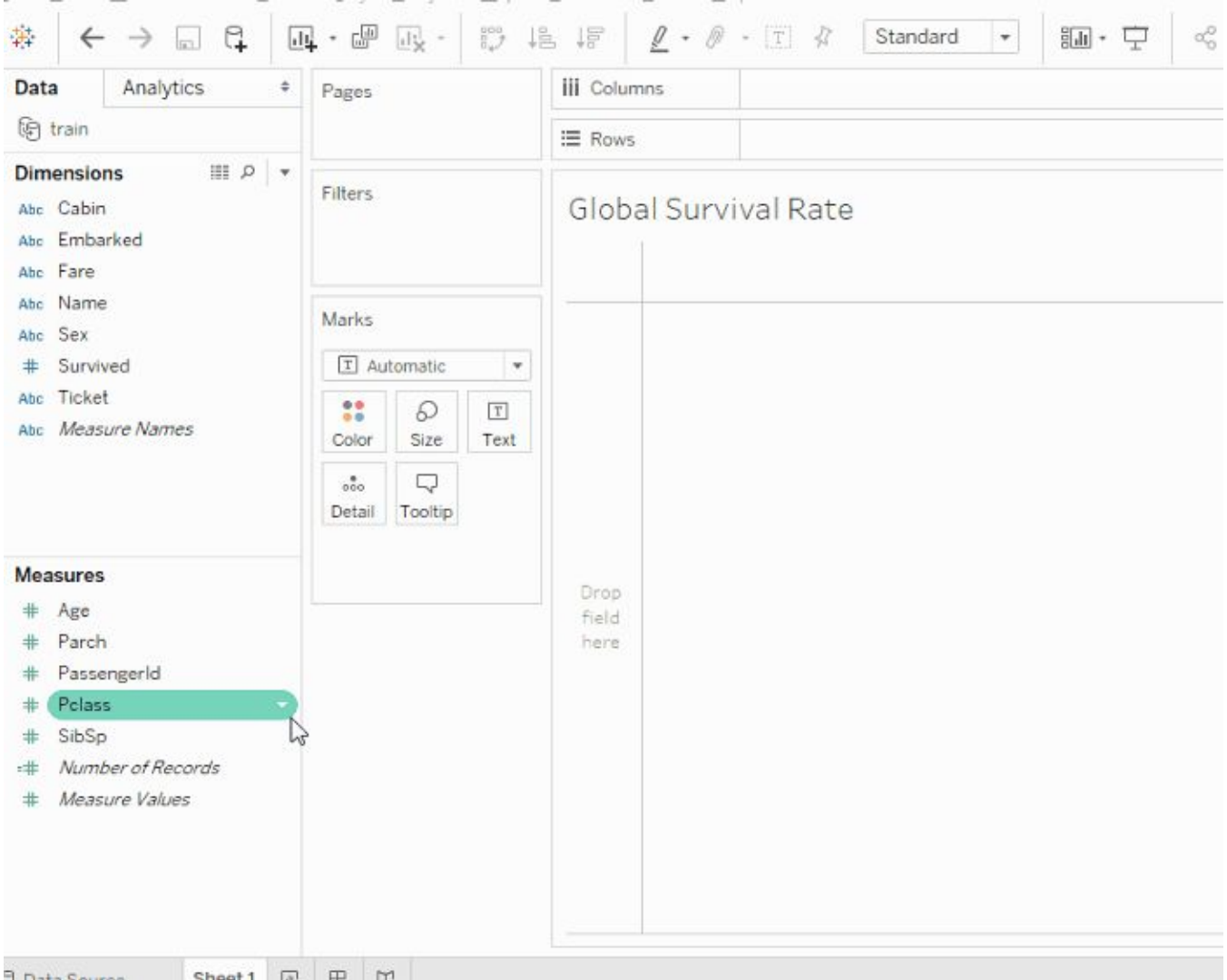
Analytics with Tableau

Professor Ernesto Lee


(1) Identify problem
(2) Understand data
(3) Prepare data
(4) Build predictive model
(5) Evaluate model
(6) Deploy model
Steps Of Modeling
StepUpAnalytics


Global Survival Rate
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
% of Total Number of Records
Died
59%
41%
Survived
41%
Sex
Survived
Died
Survived
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
% of Total Number of Records
Died
24%
41%
Survived
76%
Died
80%
Survived
20%
Female
Male


Data
Analytics
train
Dimensions
Abc Cabin
Abc Embarked
Abc Fare
Abc Name
Abc Sex
Abc Ticket
Abc Measure Names
Measures
Age
Parch
PassengerId
Pclass
SibSp
Survived
Number of Records
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Sheet 1


Standard
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Abc Cabin
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Abc Fare
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Number of Records
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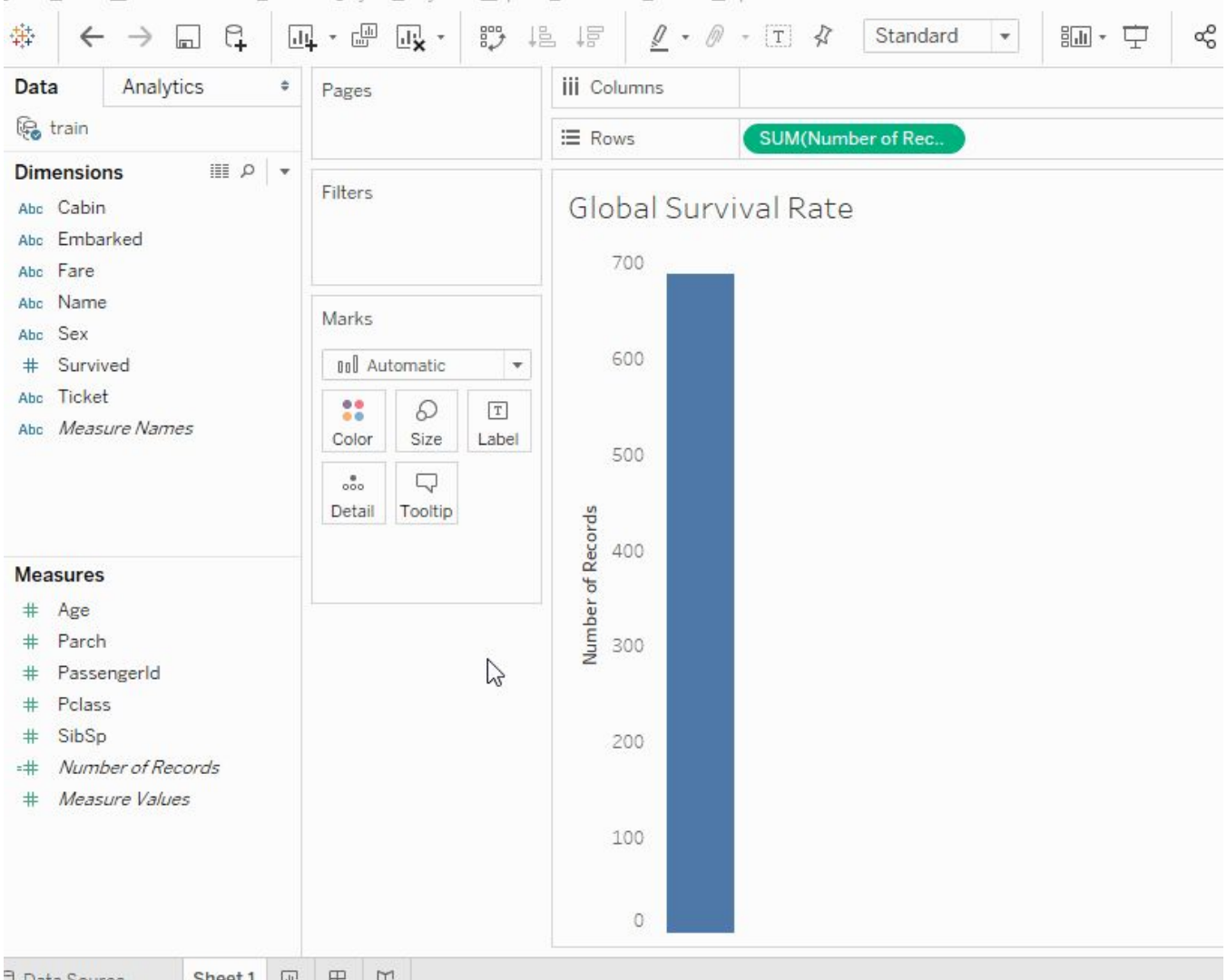
Detail
Tooltip
Columns
Rows
Global Survival Rate
Drop field here
Sheet 1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Number of Records
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Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
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Global Survival Rate
Number of Records
700
600
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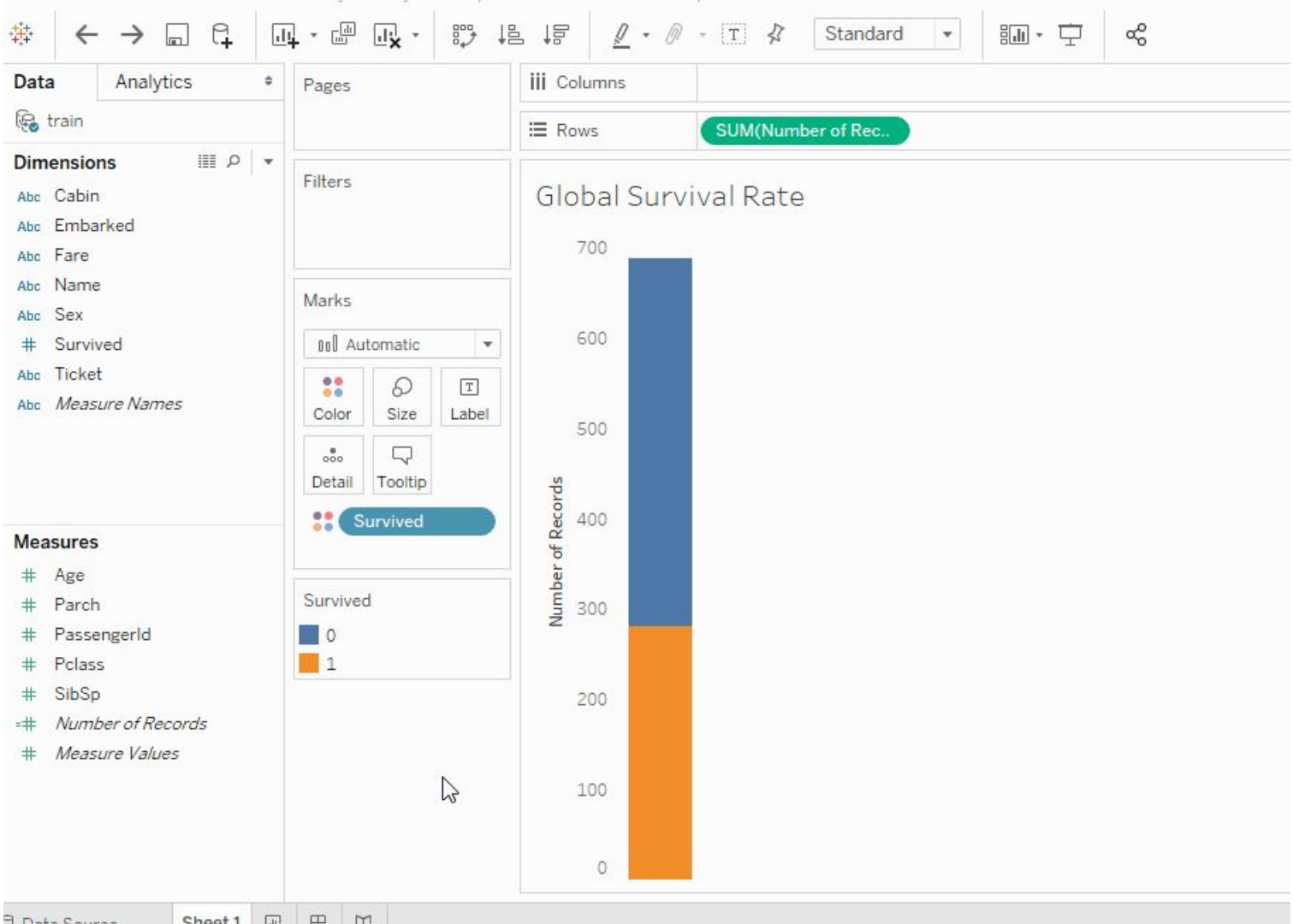
400
300
200
100
0
Sheet 1


Standard
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Abc Ticket
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Tooltip
Survived
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Global Survival Rate
Number of Records
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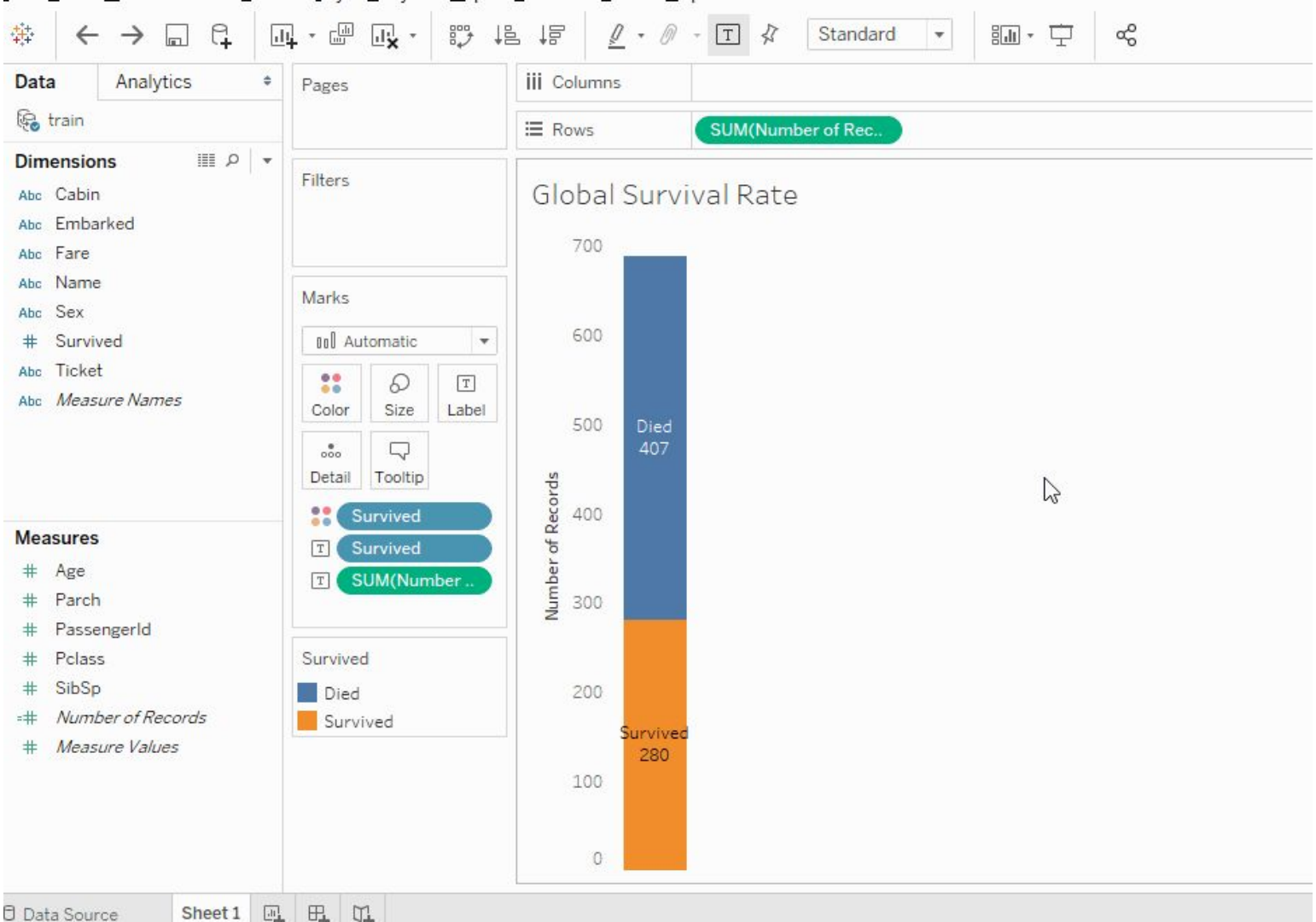
Sheet 1


Standard
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Abc Cabin
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Abc Name
Abc Sex
Survived
Abc Ticket
Abc Measure Names
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Survived
Survived
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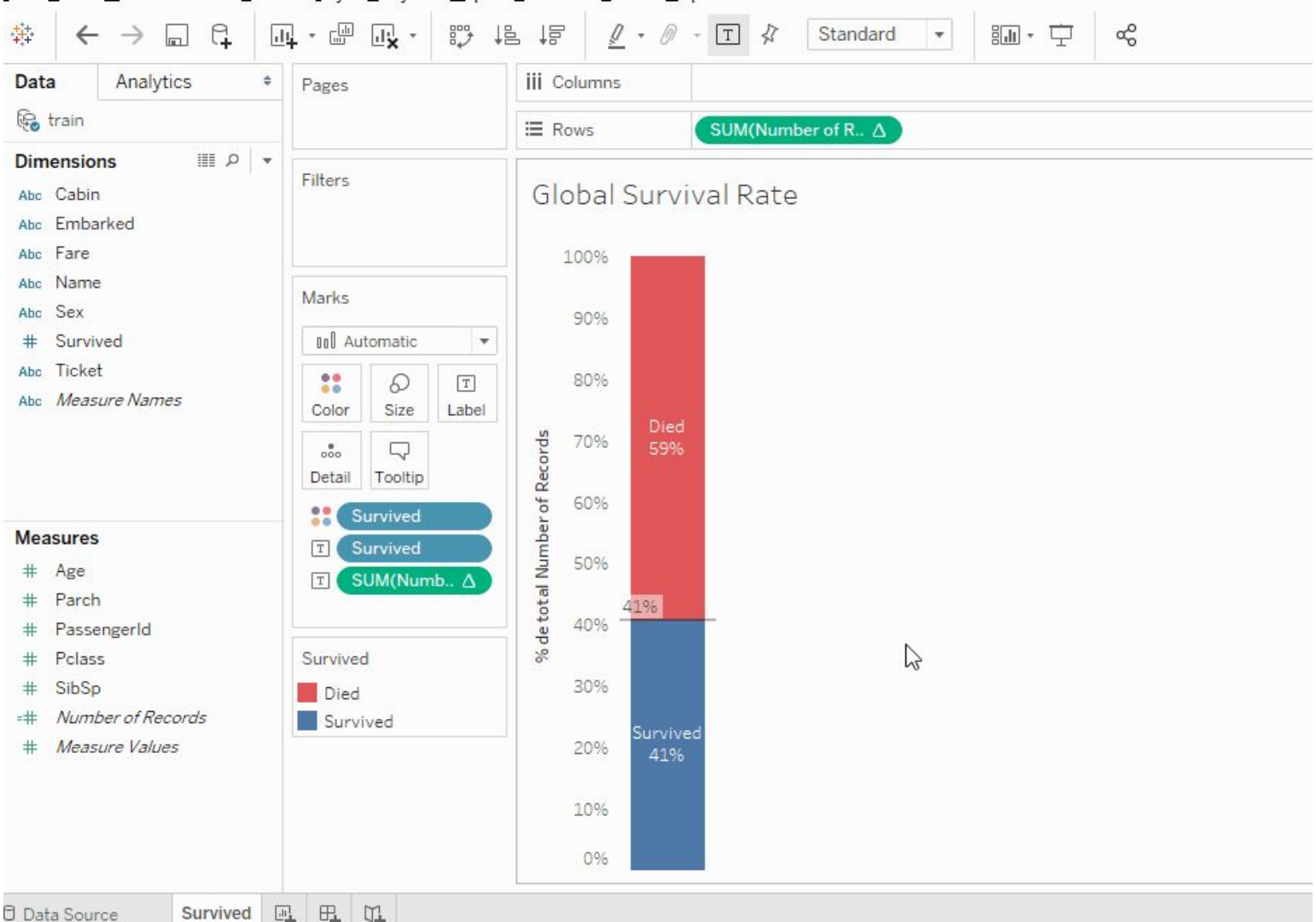
Survived
Died
Survived
Columns
Rows
SUM(Number of Rec..
Global Survival Rate
Number of Records
700
600
500
400
300
200
100
0
Died
407
Survived
280
Data Source
Sheet 1

Is this Column Statistically Significant


Standard
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Analytics
train
Dimensions
Abc Cabin
Abc Embarked
Abc Fare
Abc Name
Abc Sex
Survived
Abc Ticket
Abc Measure Names
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Number of Records
Measure Values
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Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
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Died
Survived
Columns
Rows
SUM(Number of R.. Δ)
Global Survival Rate
% de total Number of Records
100%
90%
80%
70%
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10%
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Died
59%
41%
Survived
41%
Data Source
Survived

Feature Importance with Tableau