

CASE STUDY 1

Number of meals served each year
Meals served over time

Campaign Year	Meals Served
2010	40,139
2011	127,020
2012	168,193
2013	153,115
2014	202,102
2015	232,897
2016	277,912
2017	205,350
2018	233,389
2019	232,797

What visuals would you create from the given data?

Solution:

Heat Mapping

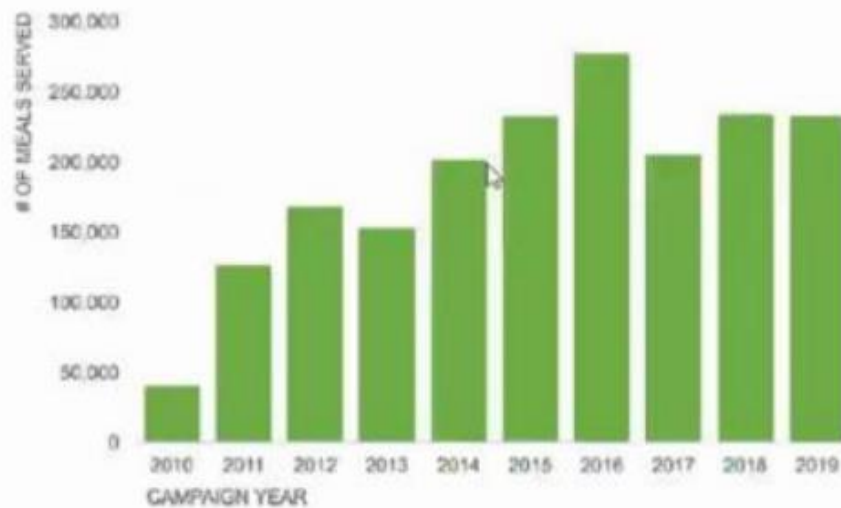
Meals served over time

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What are the advantages and disadvantages of using heatmap in this case study

Bar Graph

Meals served over time

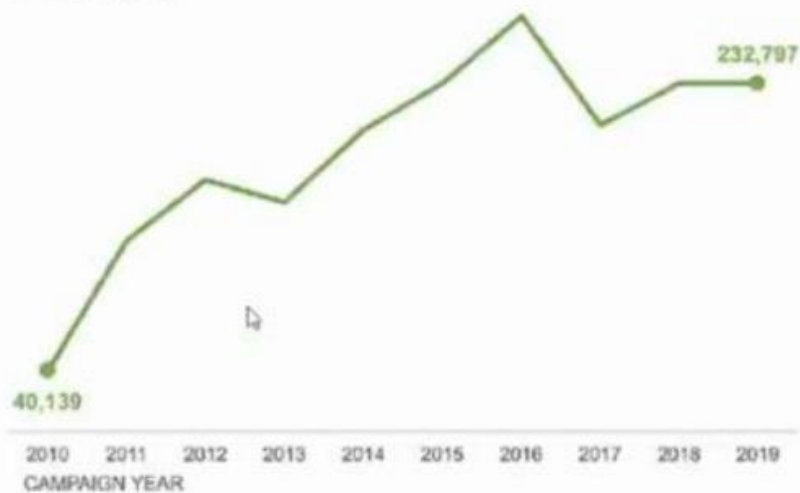


When is a bar graph helpful?

Line Graph

Meals served over time

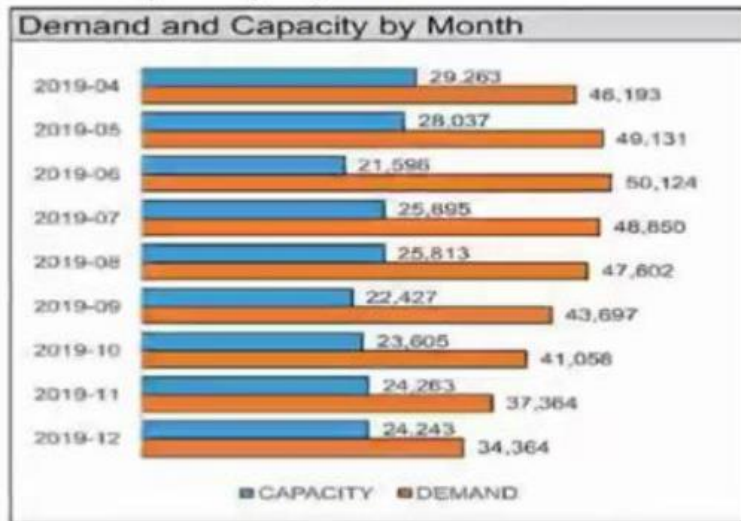
OF MEALS SERVED



Which visualization did you like the best?

CASE STUDY 2

Demand and Capacity by Month

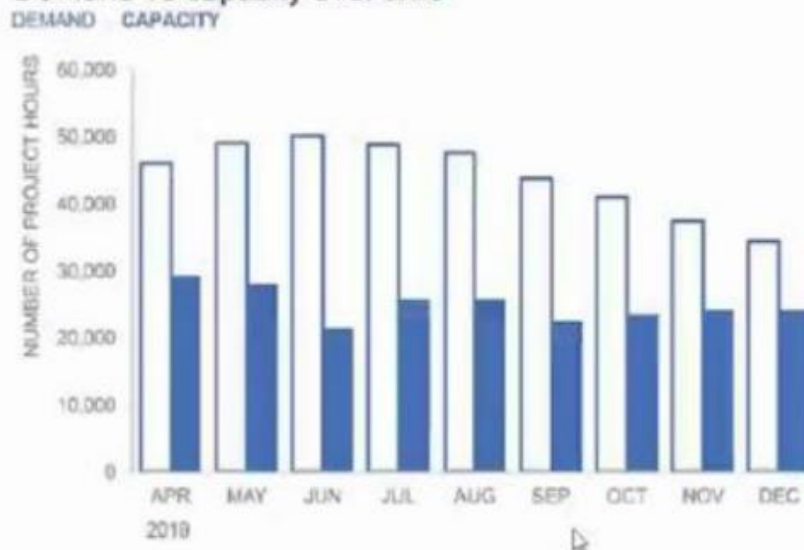


Is this the only way to show this data?

Solution:

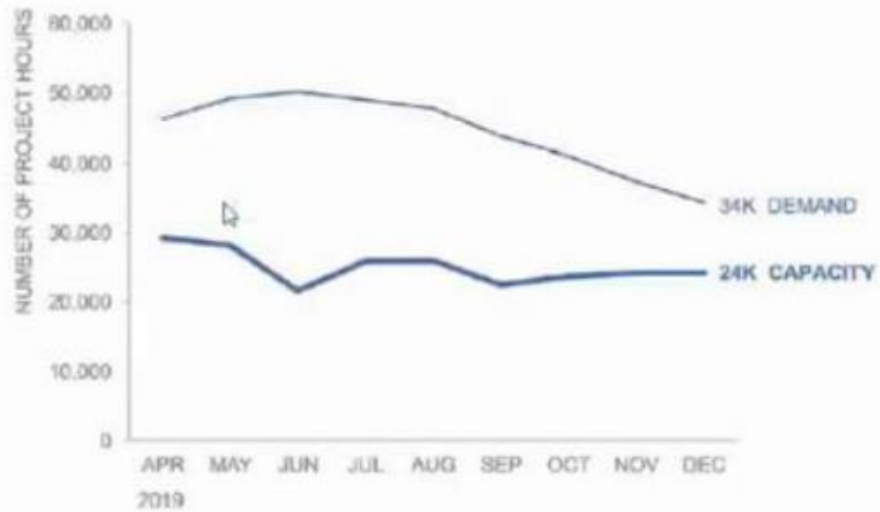
Vertical Bars

Demand vs capacity over time



Line Chart

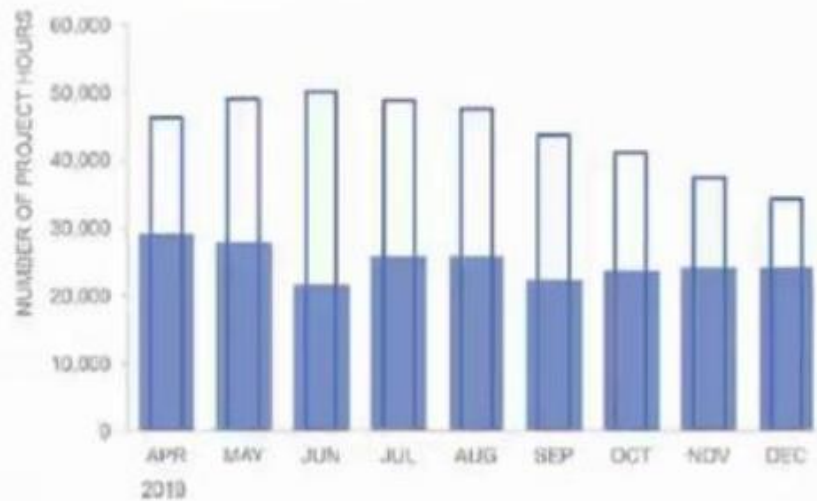
Demand vs capacity over time



Overlapping Bars

Demand vs capacity over time

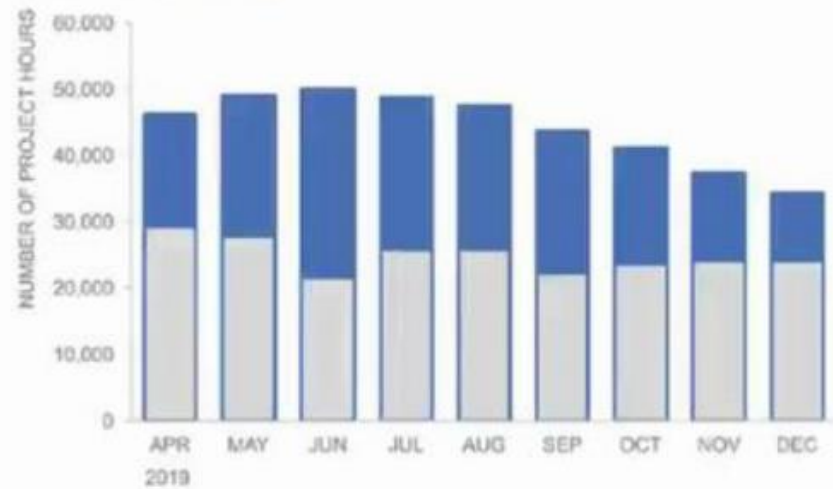
DEMAND | CAPACITY



Stacked Bars

Demand vs capacity over time

CAPACITY | UNMET DEMAND



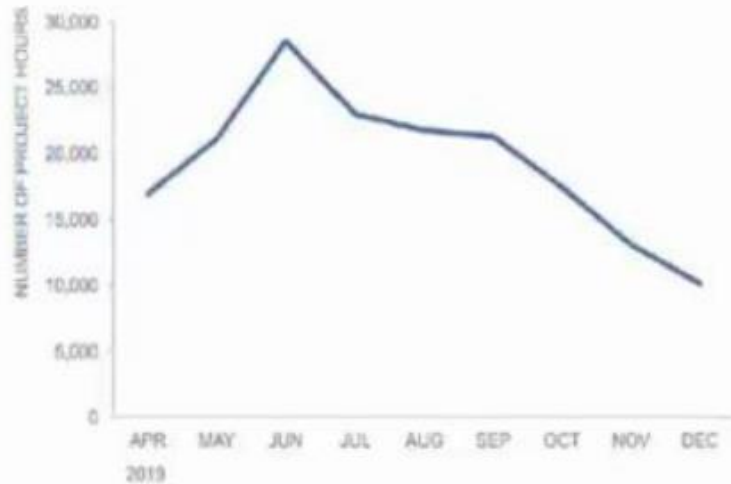
Dot Plot

Demand vs capacity over time



Unmet Demand

Unmet demand over time



Which type of visuals would you prefer for the given data?

CASE STUDY 3

Attrition Rate

Year	Attrition Rate
2019	9.1%
2018	8.2%
2017	4.5%
2016	12.3%
2015	5.6%
2014	15.1%
2013	7.0%
2012	1.0%
2011	2.0%
2010	9.7%
AVG	7.5%

1. How many different ways can you come up with to show this data?
2. How would you show the average in various graphs that you created?

Solution:

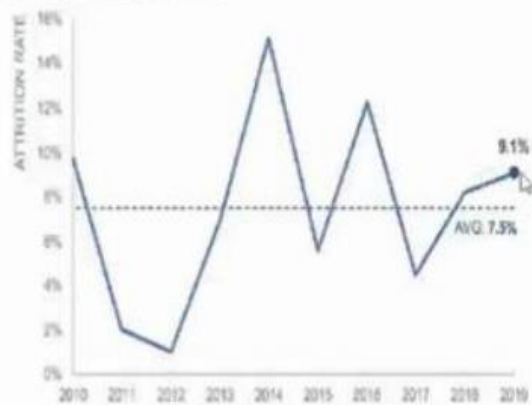
Dot/Scatter Plot

Attrition rate over time



Line Chart

Attrition rate over time

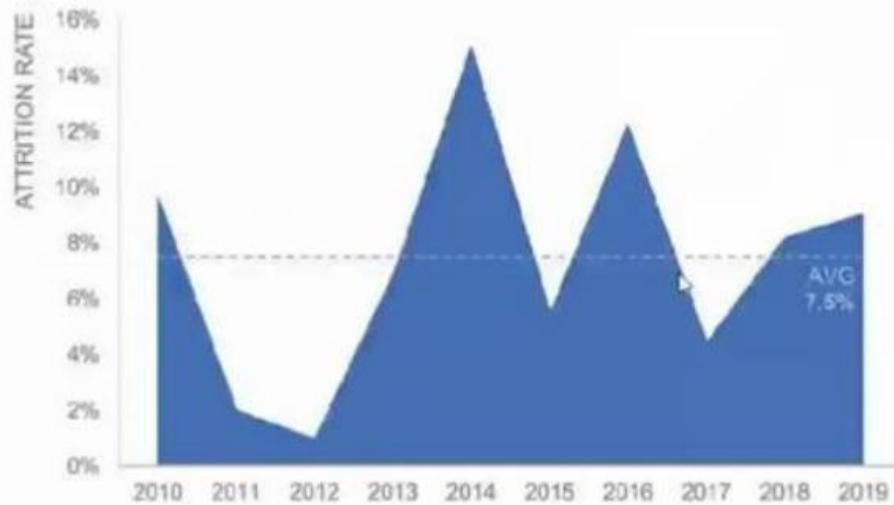


Attrition rate over time



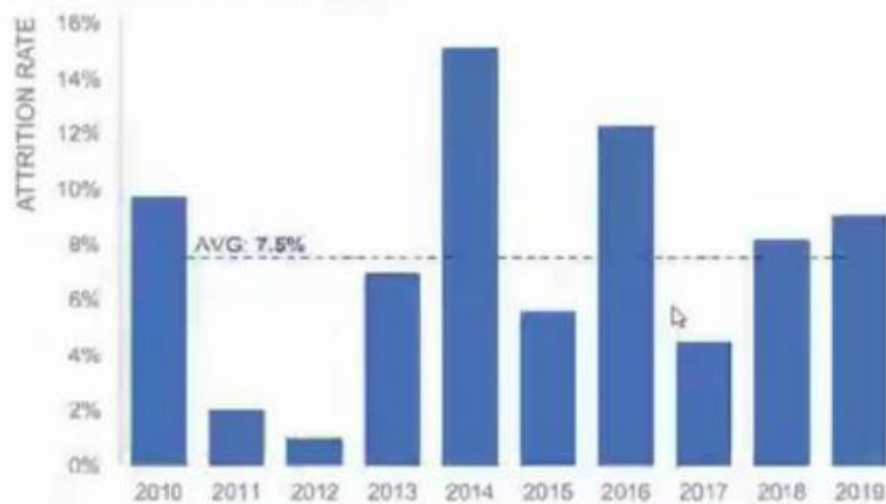
Area Graph

Attrition rate over time



Bar Graph

Attrition rate over time



Which of the visuals do you like the best and why?