

Model Explainer

Positive class:

1

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Feature Importances
Classification Stats
Individual Predictions
What if...
Feature Dependence

Select Index

Select from list or pick at random

1461

×

▾

Random
Index

Observed Revenue:

×

0

×

1

×

▾

Range:

prob

Predicted probability range:



Prediction

Index:

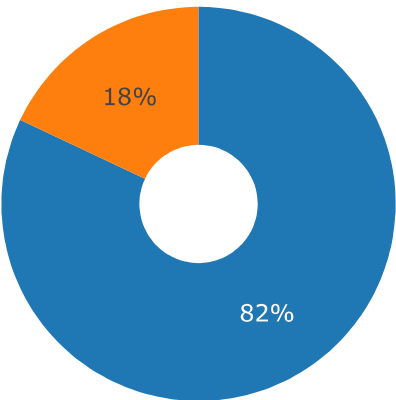
1461

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label	probability
0*	82.0 %
1	18.0 %

* indicates observed label



Contributions Plot

How has each feature contributed to the prediction?

Index:

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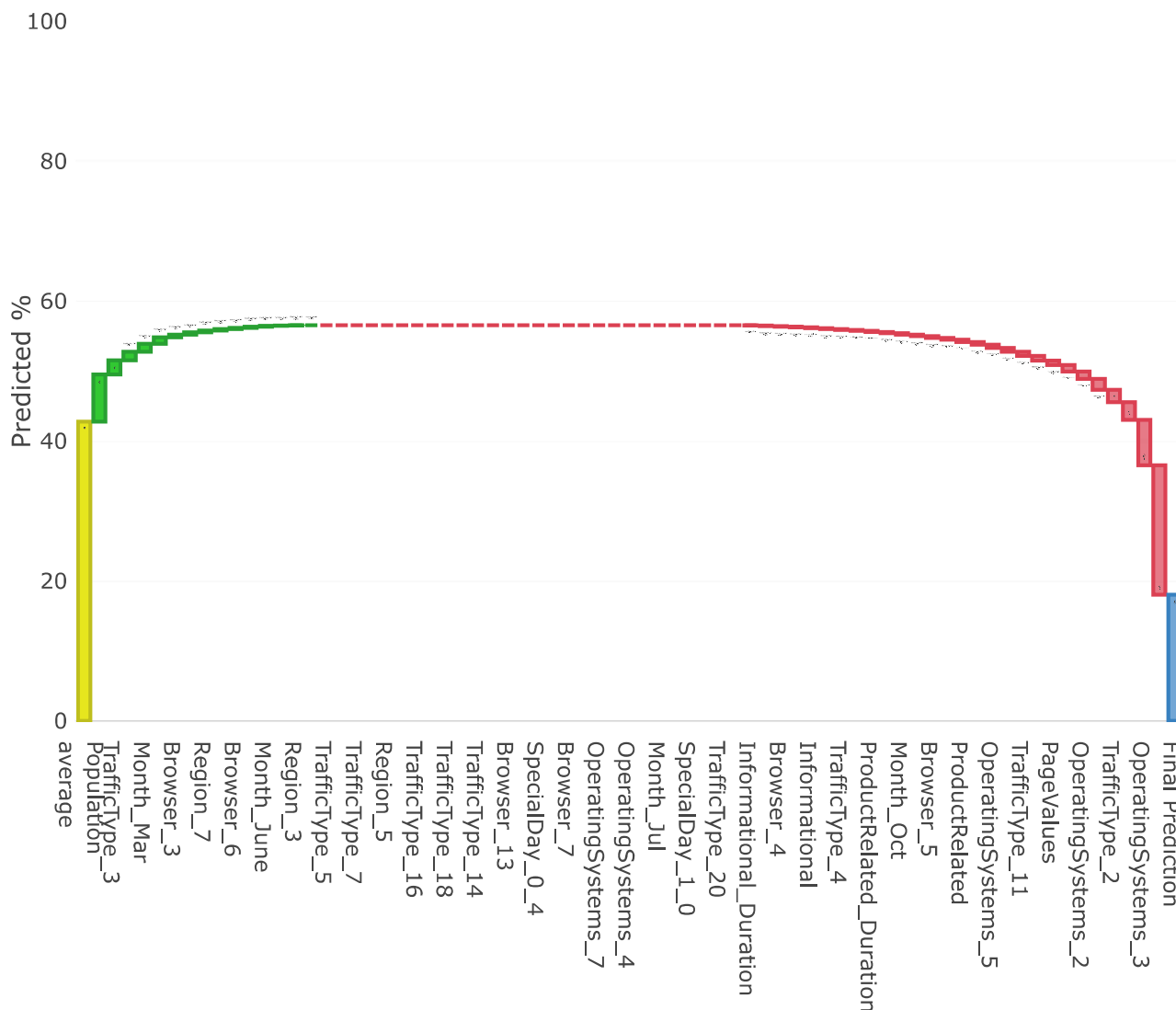
Depth:

70

Sorting:

High to Low

Contribution to prediction probability = 18.03%



Popout

Partial Dependence Plot

How does the prediction change if you change one feature?

Feature:

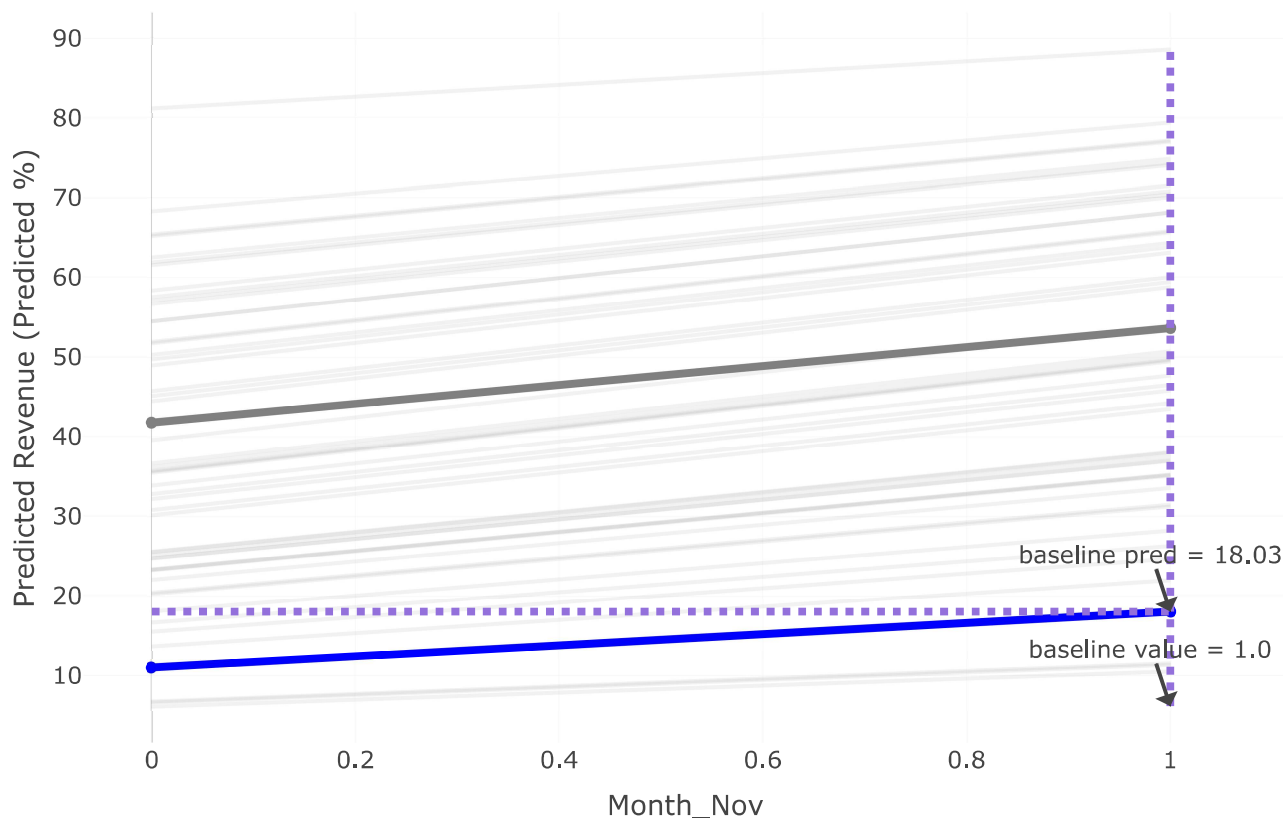
Month_Nov

Index:

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× ▼

pdp plot for Month_Nov



Popout

Drop fill:

☒ Drop na_fill

Sample:

100

Gridlines:

50

Gridpoints:

10

Contributions Table

How has each feature contributed to the prediction?

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× ▼

Depth:

70

Sorting:

Absolute

Reason	Effect
Average of population	42.8%
TrafficType_13 = 1.0	-18.52%
Month_Nov = 1.0	+6.73%
OperatingSystems_3 = 1.0	-6.47%
BounceRates = 0.2	-2.54%
TrafficType_3 = 0.0	+2.01%
TrafficType_2 = 0.0	-1.78%
TrafficType_8 = 0.0	-1.54%
Month_May = 0.0	+1.24%
Month_Mar = 0.0	+1.13%
OperatingSystems_2 = 0.0	-1.07%
Month_Dec = 0.0	+0.94%
ExitRates = 0.26666666499999997	-0.91%
PageValues = 0.0	-0.65%
Weekend_1 = 0.0	-0.65%
TrafficType_11 = 0.0	-0.6%
Administrative = 0.0	-0.57%
OperatingSystems_5 = 0.0	-0.44%
Browser_11 = 0.0	-0.4%
Browser_3 = 0.0	+0.36%
SpecialDay_0_8 = 0.0	+0.34%
ProductRelated = 0.007092198581560284	-0.3%
VisitorType_Returning_Visitor = 1.0	-0.27%
Browser_5 = 0.0	-0.26%

Reason	Effect
Region_7 = 1.0	+0.26%
Browser_2 = 1.0	-0.22%
Region_4 = 0.0	+0.21%
Month_Oct = 0.0	-0.2%
Browser_6 = 0.0	+0.18%
TrafficType_10 = 0.0	-0.16%
ProductRelated_Duration = 0.0019708674605518903	-0.16%
Region_8 = 0.0	+0.16%
Month_June = 0.0	+0.15%
Administrative_Duration = 0.0	-0.14%
TrafficType_4 = 0.0	-0.13%
Region_2 = 0.0	-0.12%
Informational = 0.0	-0.12%
Browser_10 = 0.0	-0.1%
Browser_4 = 0.0	-0.09%
Region_9 = 0.0	-0.09%
TrafficType_6 = 0.0	+0.04%
Informational_Duration = 0.0	-0.03%
Region_3 = 0.0	+0.02%
Region_6 = 0.0	+0.02%
TrafficType_20 = 0.0	+0.0%
TrafficType_19 = 0.0	+0.0%
TrafficType_18 = 0.0	+0.0%
Browser_7 = 0.0	+0.0%

Reason	Effect
Month_Jul = 0.0	+0.0%
TrafficType_16 = 0.0	+0.0%
Month_Feb = 0.0	+0.0%
SpecialDay_1_0 = 0.0	+0.0%
SpecialDay_0_6 = 0.0	+0.0%
TrafficType_17 = 0.0	+0.0%
TrafficType_9 = 0.0	+0.0%
TrafficType_15 = 0.0	+0.0%
TrafficType_14 = 0.0	+0.0%
Month_Sep = 0.0	+0.0%
OperatingSystems_4 = 0.0	+0.0%
Browser_8 = 0.0	+0.0%
OperatingSystems_6 = 0.0	+0.0%
TrafficType_7 = 0.0	+0.0%
TrafficType_5 = 0.0	+0.0%
OperatingSystems_7 = 0.0	+0.0%
OperatingSystems_8 = 0.0	+0.0%
Region_5 = 0.0	+0.0%
SpecialDay_0_4 = 0.0	+0.0%
Browser_13 = 0.0	+0.0%
Browser_12 = 0.0	+0.0%
powered by: explainerdashboard	
Browser_9 = 0.0	+0.0%
SpecialDay_0_2 = 0.0	+0.0%
Other features combined	+0.0%

Reason	Effect
Final prediction	18.03%