Model Explainer

Positive class:

1	▼

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

Select Index

Select from list or pick at random

1172	✕ ▼

Random Index

Observed Revenue:

✕ 0 ✕ 1	✕ ▼

Range:

prob

Predicted probability range:

○   ○   ○   ○   ○   ○
     0.2   0.4   0.6   0.8

Prediction

Index:

1172	✕ ▼

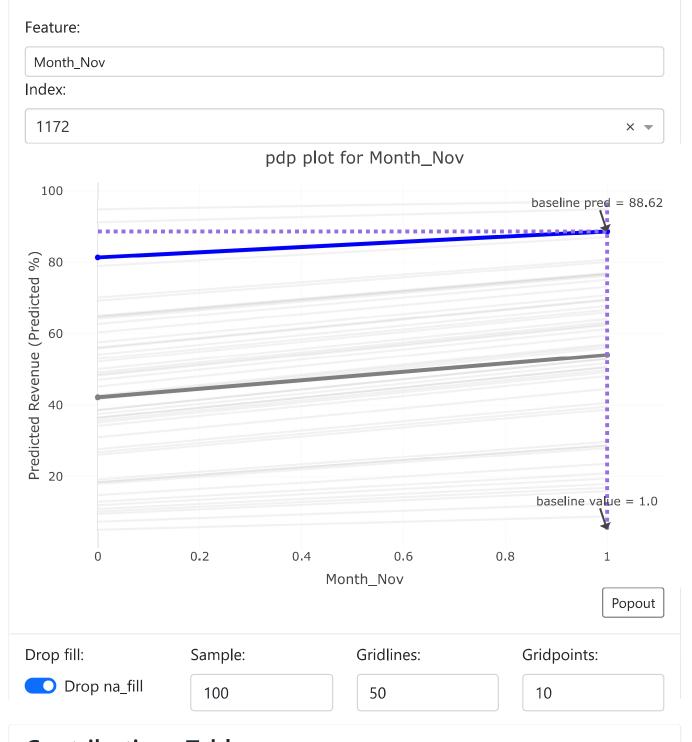| label	probability
0*	11.4 %
1	88.6 %

* indicates observed label

Contributions Plot

How has each feature contributed to the prediction?

Index:

1172 × ▾

Depth:

70

Sorting:

High to Low

Contribution to prediction probability = 88.62%

Popout

Partial Dependence Plot

How does the prediction change if you change one feature?

Feature:

Month_Nov

Index:

1172   ✕ ▼

pdp plot for Month_Nov

baseline pred = 88.62

baseline value = 1.0

Popout

Drop fill:	Sample:	Gridlines:	Gridpoints:
🔵 Drop na_fill	100	50	10

Contributions Table

How has each feature contributed to the prediction?

Index:

1172   ✕ ▼

Depth:

70

Sorting:

Absolute

Reason	Effect
Average of population	42.8%
PageValues = 0.1867196690104226	+8.24%
Month_Nov = 1.0	+7.46%
TrafficType_2 = 1.0	+4.58%
BounceRates = 0.017387220000000002	+3.39%
Informational = 0.3333333333333333	+3.39%
TrafficType_3 = 0.0	+2.61%
ExitRates = 0.077655075	+2.57%
Administrative = 0.34615384615384615	+2.36%
Weekend_1 = 1.0	+1.84%
Informational_Duration = 0.16023535180191223	+1.84%
OperatingSystems_3 = 0.0	+1.62%
Month_May = 0.0	+1.42%
ProductRelated = 0.1971631205673759	+1.29%
Month_Mar = 0.0	+1.2%
TrafficType_8 = 0.0	-1.04%
Month_Dec = 0.0	+0.97%
OperatingSystems_2 = 1.0	+0.92%
ProductRelated_Duration = 0.10264977342330084	+0.85%
TrafficType_13 = 0.0	+0.73%
SpecialDay_0_8 = 0.0	+0.47%
Browser_3 = 0.0	+0.47%
TrafficType_11 = 0.0	-0.43%
Administrative_Duration = 0.042889542714233175	+0.26%

Reason	Effect
Month_June = 0.0	+0.26%
Browser_5 = 0.0	-0.23%
Browser_2 = 1.0	-0.21%
TrafficType_4 = 0.0	-0.19%
VisitorType_Returning_Visitor = 1.0	-0.17%
Region_9 = 0.0	-0.16%
Region_4 = 0.0	+0.16%
TrafficType_10 = 0.0	-0.14%
Browser_11 = 0.0	-0.13%
Region_8 = 0.0	+0.13%
OperatingSystems_5 = 0.0	-0.13%
Month_Oct = 0.0	-0.12%
Region_2 = 0.0	-0.12%
Browser_6 = 0.0	+0.12%
Browser_4 = 0.0	-0.11%
Browser_10 = 0.0	-0.1%
Region_6 = 0.0	+0.09%
Region_7 = 0.0	-0.09%
Month_Jul = 0.0	-0.03%
Region_3 = 1.0	-0.01%
SpecialDay_0_6 = 0.0	+0.0%
SpecialDay_1_0 = 0.0	+0.0%
Month_Feb = 0.0	+0.0%
Browser_13 = 0.0	+0.0%

Reason	Effect
TrafficType_17 = 0.0	+0.0%
OperatingSystems_4 = 0.0	+0.0%
OperatingSystems_6 = 0.0	+0.0%
OperatingSystems_7 = 0.0	+0.0%
TrafficType_20 = 0.0	+0.0%
TrafficType_19 = 0.0	+0.0%
TrafficType_18 = 0.0	+0.0%
Month_Sep = 0.0	+0.0%
TrafficType_16 = 0.0	+0.0%
TrafficType_15 = 0.0	+0.0%
TrafficType_14 = 0.0	+0.0%
OperatingSystems_8 = 0.0	+0.0%
Browser_12 = 0.0	+0.0%
SpecialDay_0_4 = 0.0	+0.0%
TrafficType_9 = 0.0	+0.0%
Region_5 = 0.0	+0.0%
TrafficType_7 = 0.0	+0.0%
TrafficType_6 = 0.0	+0.0%
TrafficType_5 = 0.0	+0.0%
Browser_7 = 0.0	+0.0%
Browser_8 = 0.0	+0.0%
Browser_9 = 0.0	+0.0%
SpecialDay_0_2 = 0.0	+0.0%
Other features combined	+0.0%

Reason	Effect
Final prediction	88.62%