



Considerations





Advantages

- If the feature of interest is not correlated with other features, then the PDP accurately represent how the feature influences the prediction on average
- Remember to look at observation counts per analysed data point.

Limitations

- When features are correlated, the interpretation of PDP is tricky.

Animal	Area
Polar bear	Arctic
Tiger	India
Koala	Australia
Kangaroo	Australia

Limitations

- When features are correlated, the interpretation of PDP is tricky.
- By assigning arbitrary values to all observations we could be creating impossible data points.

Animal	Area	Area
Polar bear	Artic	Australia
Tiger	India	Australia
Koala	Australia	Australia
Kangaroo	Australia	Australia



Limitations

- Can realistically be used to examine a handful of features.
- It does not scale.
- It does not output an “importance” value.

THANK YOU

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