



## New R Markdown



Document



Presentation



Shiny



From Template

### Template:

[? Using R Markdown Templates](#)

PNAS Journal Article	{rticles}
Linl Is Not Letter (PDF)	{linl}
Bulma Template	{markdowntemplates}
Skeleton Template	{markdowntemplates}
Hugo Blog Post	{markdowntemplates}
Kube Template	{markdowntemplates}
Minimal Template	{markdowntemplates}
Reveal.js Presentation (HTML)	{revealjs}

OK

Cancel

```
title: "Understanding the Bias-Variance Tradeoff"
```

```
output:
```

```
  revealjs::revealjs_presentation:
```

```
    theme: solarized
```

```
    highlights: pygments
```

```
    transition: none
```

```
    slide_level: 2
```

```
    center: true
```

```
---
```

```
# Bias and variance in Machine Learning
```

```
## Bias and variance
```

- **\_\_Bias\_\_**: The error due to bias is taken as the difference between the expected (or average) prediction of our model and the correct value which we are trying to predict.

- **\_\_Variance\_\_**: The error due to variance is taken as the variability of a model prediction for a given data point.

```
## Bias and variance
```

```

```



# UNDERSTANDING THE BIAS-VARIANCE TRADEOFF



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PNAS Journal Article {rticles}  
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Bulma :ecture11\_code.R x Waking up Godot.Rmd x index.Rmd x BiasVariance.Rmd x  
Skeleto  
Hugo B  
Kube T  
Minima  
Reveal.

title: "Understanding the Bias-Variance Tradeoff"

output: revealjs::revealjs-presentation.  
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highlights: pygm  
transition: none  
slide\_level: 2  
center: true

# Bias and variance

## Bias and variance

- \_\_Bias\_\_: The erro  
(or average) predict  
predict.

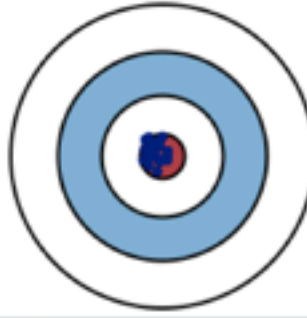
- \_\_Variance\_\_: The  
prediction for a giv

## Bias and variance



Low Variance

Low Bias



1:1 # Understandir

# UNDERSTANDING THE BIAS-VARIANCE TRADEOFF



# The possibilities

Link