



Deep Learning

Redes Neuronales con TensorFlow

Noviembre 17

Series de tiempo

Deep Learning

Redes Neuronales con TensorFlow

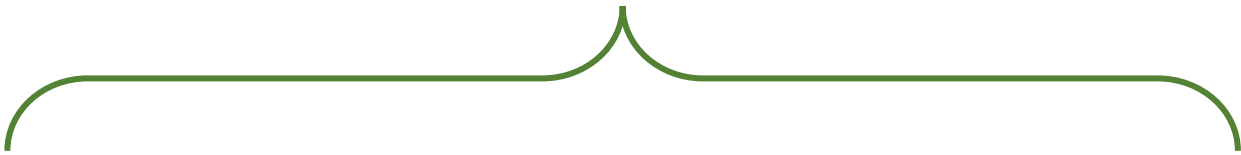
Noviembre 17

Series de tiempo

- Series de tiempo como problema
 - Windowing
 - Bias Variance Tradeoff
 - Otros recursos

Lunes	Martes	Miércoles	Jueves	Viernes
\$124.56	\$123.89	\$130.12	\$120.78	\$124.56

WINDOW




Lunes	Martes	Miércoles	Jueves
\$124.56	\$123.89	\$130.12	\$120.78

HORIZON



Viernes
\$124.56

WINDOW



Lunes	Martes	Miércoles	Jueves
\$124.56	\$123.89	\$130.12	\$120.78

HORIZON



Viernes
\$124.56

Predecir **un día** dada **una semana** de información

Window y Horizon

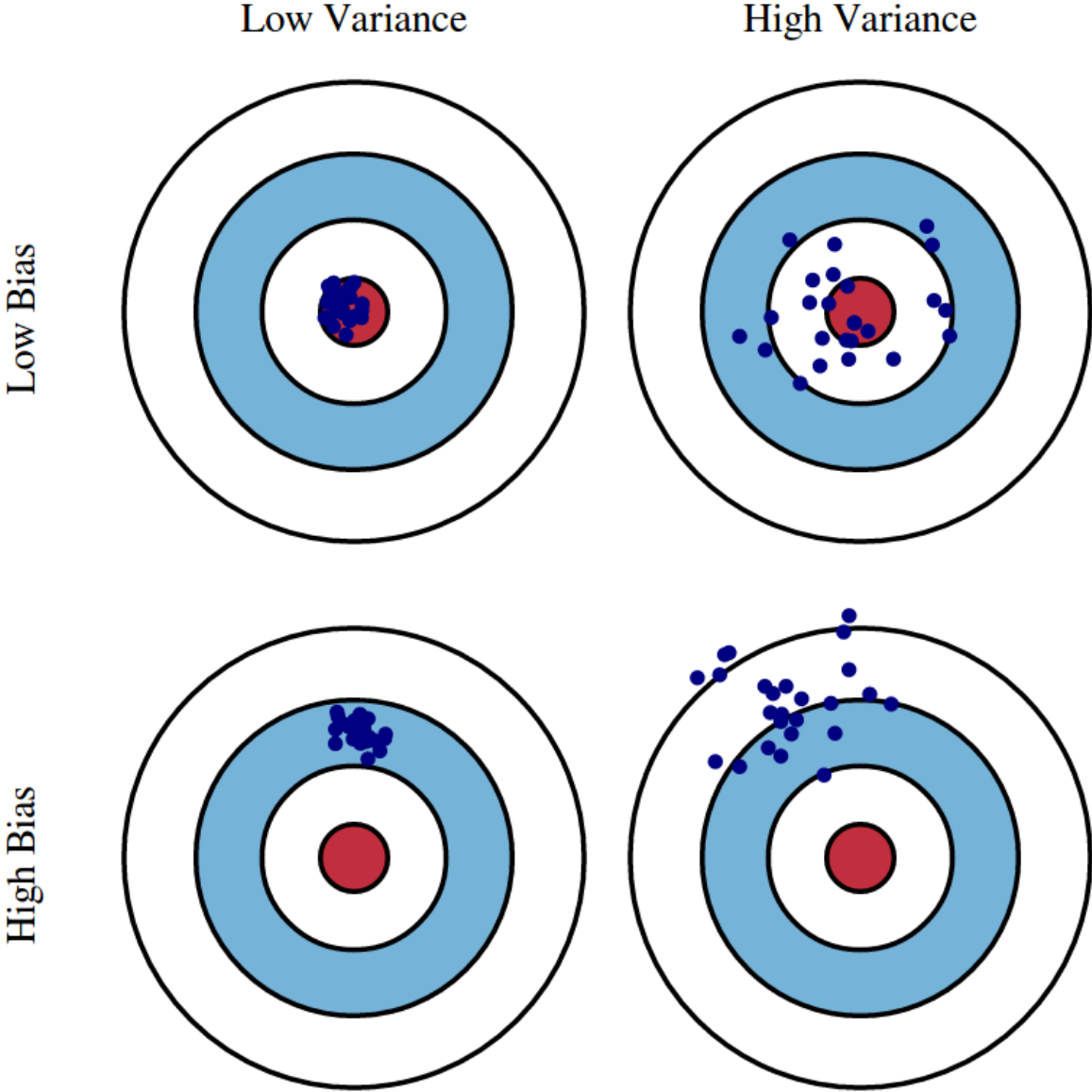
Lunes	Martes	Miércoles	Jueves	Viernes
\$124.56	\$123.89	\$130.12	\$120.78	\$124.56

Martes	Miércoles	Jueves	Viernes	Lunes
\$123.89	\$130.12	\$120.78	\$124.56	\$132.45

Miércoles	Jueves	Viernes	Lunes	Martes
\$130.12	\$120.78	\$124.56	\$132.45	\$130.76

Jueves	Viernes	Lunes	Martes	Miércoles
\$120.78	\$124.56	\$132.45	\$130.76	\$129.12

Bias Variance Tradeoff



*Tomado de Kilian Weinberger (2018)

Otros caminos

The logo for PROPHET, featuring the word in white uppercase letters on a dark blue rectangular background. The letter 'O' is stylized with a dot above it.The logo for PYCARET, featuring the word in a stylized font. 'PY' is in blue and 'CARET' is in black, all on a white rectangular background.The logo for Neural Prophet, featuring the words 'Neural Prophet' in white on a blue rectangular background. 'Neural' is enclosed in a white box.The logo for dmlc XGBoost, featuring 'dmlc' in a small grey font above 'XGBoost' in a large, bold blue font.

Referencias

- Foto de portada: Mahdi Bafande
- Meor Amer, (2022), “**A visual Introduction to Deep Learning**”
- Roy Keyes, (2022), “**Deep Learning**”

GRACIAS

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