INTRODUCTION TO DEEP LEARNING WITH IBM WATSON STUDIO

Svetlana Levitan & David Nichols

2019 Joint Statistical Meetings July 31, 2019

USEFUL LINKS

Sign up for IBM Cloud account: **https://ibm.biz/Bd2whP**

Watson Studio: **https://www.ibm.com/cloud/watson-studio**

Workshop materials:
https://github.com/IBM/Trusted-ML-Pipelines/tree/master/conf/JSM2019

Watson Studio Flow editor tutorial: Build a neural network to recognize handwritten digits using the MNIST data set
https://dataplatform.cloud.ibm.com/docs/content/wsj/analyze-data/ml-canvas-nnd-mnist-tutorial.html (or **https://ibm.biz/Bdzq9k**)

IBM Fairness 360: **http://aif360.mybluemix.net/**

IBM Adversarial Robustness Toolbox demo: **https://art-demo.mybluemix.net/**

Stanford University Convolutional Neural Networks for Visual Recognition course

http://cs231n.stanford.edu/

Ian Goodfellow, Yoshua Bengio, & Aaron Courville Deep Learning text

https://www.deeplearningbook.org/

Deep Learning with R by Francois Chollet with J. J. Allaire

https://www.manning.com/books/deep-learning-with-r

PMML: **https://www.dmg.org/pmml**

ONNX: **onnx.ai**

Contact us: slevitan@us.ibm.com or dnichols@us.ibm.com
Twitter: @SvetaLevitan and @dpnichols