Machine Learning in R: a Hands-on Experience

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0.1 Teaser Trailer		
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Session 1		
The Basics		
1.1 Introduction to the Tidy	yverse	
1.2 Machine Learning Libra	ries in R	
1.3 K Nearest Neighbors		
1.4 Support Vector Machine	es	
1.5 Tree-based Models		
1.6 Titanic Dataset		
Session 2		
Traning Strategies et al.		
2.1 Bias-Variance Tradeoff		
2.2 Model Performance		
2.3 Model Selection		
2.4 Hyperparameter Optimi	ization	
2.5 Credit Card Fraud Data	aset	

Session 3

Deep Learning

- 3.1 Introduction to Neural Networks
- 3.2 Convolutional Neural Networks
- 3.3 Recurrent Neural Networks
- 3.4 Regularization Techniques
- 3.5 Convnets for Text Recognition



Figure 1: