

Remember: Only ever fit to the

training set and transform on training,

Data-Science-Workflow

The Stackfuel Way

		The Stackfuel Way				training set and transform on training, test and validation set! Perform on All Data Perform on Train Set		
	Preparation	Research	Define Metric	Gather Data	Perform on Valid Perform on Test			
	EDA	Understand your Data	(Rename Columns)	Detect Outliers	Check Correlations			
	Split	Train-Test-Split	Train- Validation-Split					
		Data Cleaning	Data Cleaning	Data Cleaning				
	Data-	Datatype Transformation	Data Imputation	Deal with Outliers	-			
	Preparation	Over/ Undersample						
	· · · · ·	Build a simple Baselinemodel						
		Feature Level	Feature Level	Feature Level	Feat	ure Level	Feature Level	
		Feature Engineering	Polynomials & Interactions	Data Scaling	Dimensionality Reduction		Feature Selection	
	Modeling	Algorithm Level	Algorithm Level	Algorithm Level			1	
	L.	Train Model	Evaluate Metrics	Hyperparame- ter Tuning		+		
		Model Selection			-			
	Model Inter- pretation	Model Interpretation	Sanity Checks	Visualize Feature Importances & Predictions				
	Storytelling	Visualize most important findings	Prepare a Presentation	Present your Findings				
	Clean Up	Create Functions	Refractor Code	Documentation		nd Model Deployment		