Machine Learning Process			
Gathor Data			
Gather Data		API, DB, csv, etc.	
		Cor	Fill NaN nvert categorical to numerical
Clean Data	Scaling		
	Train/Test Data	ta Cross-Validation (ways to split)	
		Too high variance	
		Too low variance	
	Filter Methods	By feature similarity (based on r^2 score)	
		Chi-squared test	
Feature Selection		Anova Correlation coefficient scores	
		Forward selection	
	Wrapper Methods	Backward elimination	
		Stepwise selection	
			Multiple Linear Regression
Model Selection		Regression	Polynomial Regression
			Decision Tree
	Supervised Learning		Random Forest
			Support Vector Regression
		Classification	KNN
			Decision Tree
			Random Forest
			Logistic Regression SVM
			Kernel SVM
			Naive Bayes
	Unsupervised	Clustering	K-means
			Hierarchical
			Agglomerative
			DBSCAN
		Dimensionality Reduction	PCA
			LDA
			MDS
		Mean Squared Error (MSE) Root-Mean-Squared-Error (RMSE)	
		Mean-Absolute-Error (MAE)	
	Regression	R ² or Coefficient of Determination Adjusted R ² Durbin Watson (~2)	
		Accuracy	
		Precision/Recall F1-score	
Model Evaluation			
	Classification		ROC curve/AUC score
		etan a samu	Log-Loss
			ions (<10) Logistic Regression (0.2-0.4) Logistic Regression
		Kappa Values (>.9) Naive Bayes Domain Knowledge Radar Plots	
	Clustering		
	Dimensionality Reduction	?	
Model Improvement	Hyperparameter Tuning	GridSearch	
	Regularization (Simplify Model)	Ridge Regression (L2 Regularization)	
		Lasso Regression (L1 Regularization)	
		Bagging	
	Ensemble Methods (Increase complexity)	Boosting Stacking	
Madal David			
Model Deployment			Deploy