

Project: SMS Spam Classification

Problem Statement

- To build a text classification model that will identify SMS as spam or non-spam



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Text	Label
URGENT! You have won a 1 week FREE membership in our \$100,000 Prize Jackpot!	Spam

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Did you catch the bus?	Ham

About the Dataset

- Binary Classification: Spam / Ham



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- Binary Classification: Spam / Ham
- 5572 text samples



Steps to build the SMS Spam Classifier

1. Loading the Dataset



Steps to build the SMS Spam Classifier

1. Loading the Dataset
2. Pre-processing the Dataset



Steps to build the SMS Spam Classifier

1. Loading the Dataset
2. Pre-processing the Dataset
3. Feature Engineering



Steps to build the SMS Spam Classifier

1. Loading the Dataset
2. Pre-processing the Dataset
3. Feature Engineering
 - a. Creating Meta Features

Analytics
Vidhya

Steps to build the SMS Spam Classifier

1. Loading the Dataset
2. Pre-processing the Dataset
3. Feature Engineering
 - a. Creating Meta Features
 - b. Counting Nouns and Verbs

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Steps to build the SMS Spam Classifier

1. Loading the Dataset
2. Pre-processing the Dataset
3. Feature Engineering
 - a. Creating Meta Features
 - b. Counting Nouns and Verbs
 - c. Model Building for Meta Features

Steps to build the SMS Spam Classifier

1. Loading the Dataset
2. Pre-processing the Dataset
3. Feature Engineering
 - a. Creating Meta Features
 - b. Counting Nouns and Verbs
 - c. Model Building for Meta Features
 - d. Tf-Idf Features

Steps to build the SMS Spam Classifier

1. Loading the Dataset
2. Pre-processing the Dataset
3. Feature Engineering
 - a. Creating Meta Features
 - b. Counting Nouns and Verbs
 - c. Model Building for Meta Features
 - d. Tf-Idf Features
 - e. Model Building for Complete Feature Set



Thank You