

The sky was a deep blue.

She whispered softly

A cat slept on the sofa.

He ran down the hill.

The book was lengthy.

A gentle breeze blew.

The soup is too hot.

He bought a new car.

It was raining outside.

Overfitting occurs when a machine learning model learns not only the underlying patterns in the training data but also the noise and random fluctuations. This leads to excellent performance on training data but poor generalization to unseen or test data.

Causes of overfitting include:

1. A complex model with too many parameters
2. Insufficient training data
3. Noise in the data
4. Too many training epochs.

Prevention techniques:

1. Reducing number of parameters
2. Using Cross validation to validate unseen data
3. Collecting more training data.