Logistic Regression – 승진 예측

1 프로젝트 개요

Logistic Regression – 승진 예측

7 Confusion Matrix 살펴보기

Confusion Matrix

실제값 (Actual) \ 예측값 (Predicted)	0	1
0	13836	77
1	1088	205

Confusion Matrix

실제값 (Actual) \ 예측값 (Predicted)	0	1
0	13836 True Negative	77 False Positive
1	1088 False Negative	205 True Positive

Confusion Matrix

실제값 (Actual) \ 예측값 (Predicted)	0	1
0	13836	77 Type 1 Error
1	1088 Type 2 Error	205

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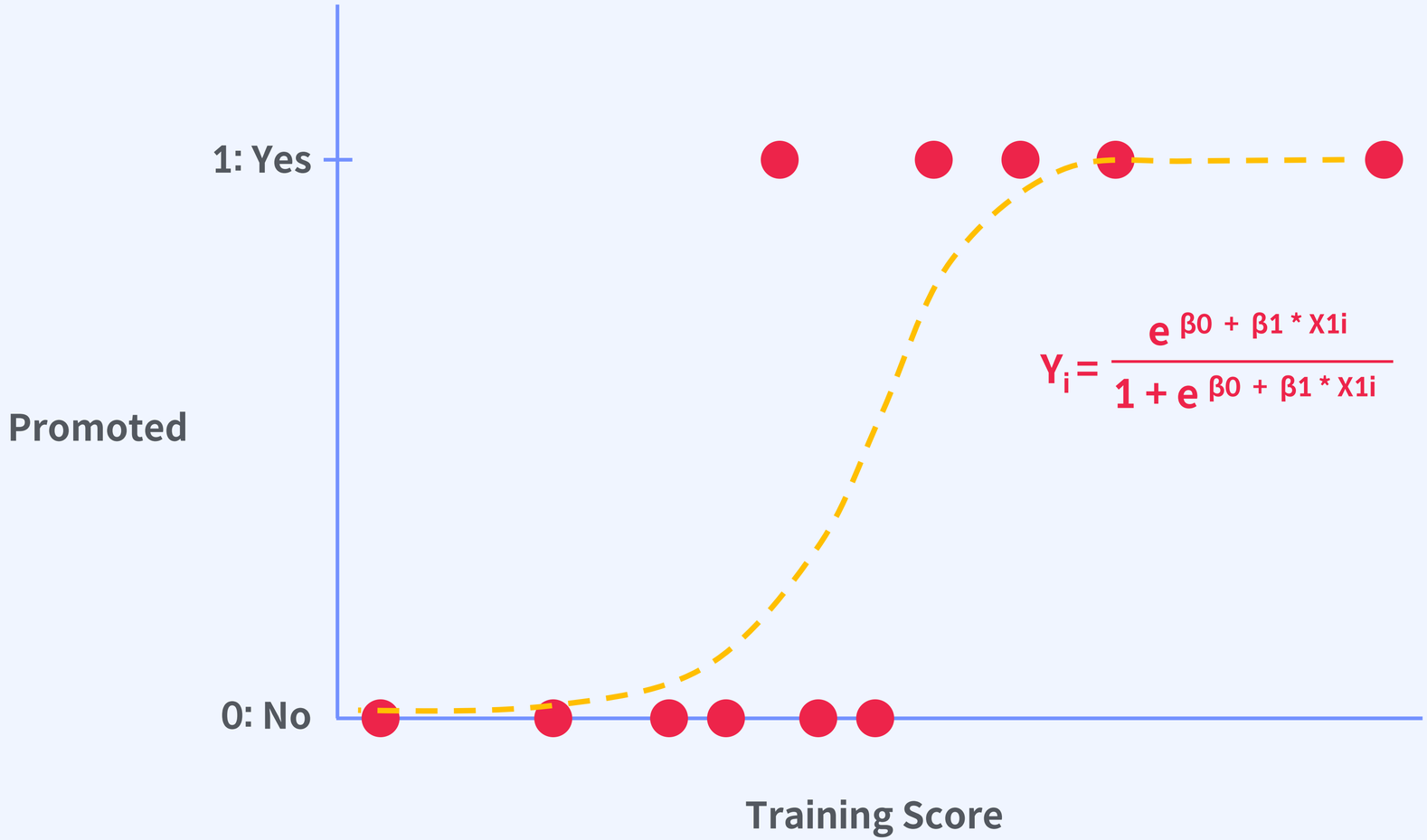
8 Logistic Regression 알고리즘의 이해

예제 데이터

Linear Regression으로 예측한다면?

Logistic Regression 적용



0.5를 기준으로 분류

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10 Cross Validation이란?

Train Test Split에서 발생하는 문제점

Case A

0.94

Case B

0.89

Cross Validation의 이점

1

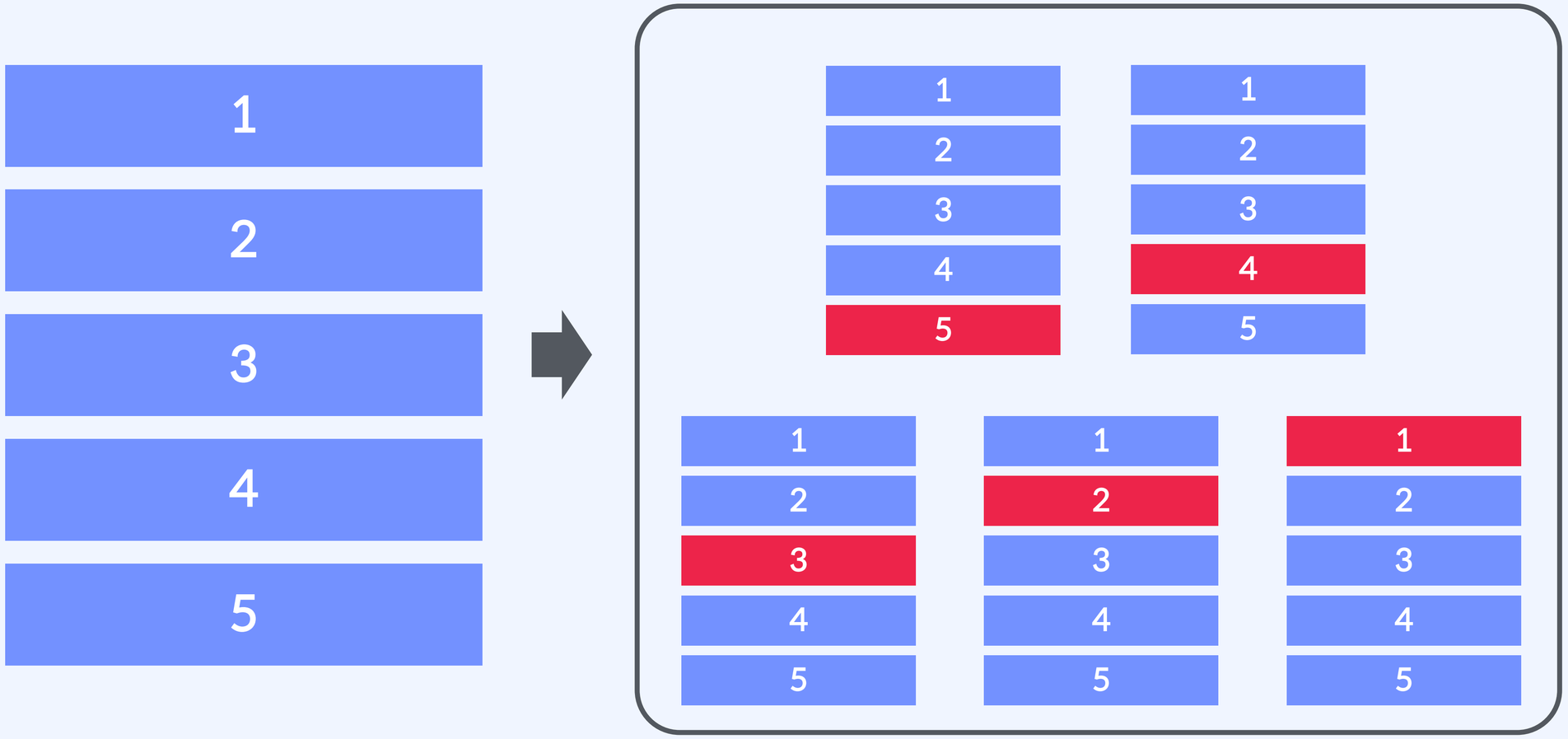
2

3

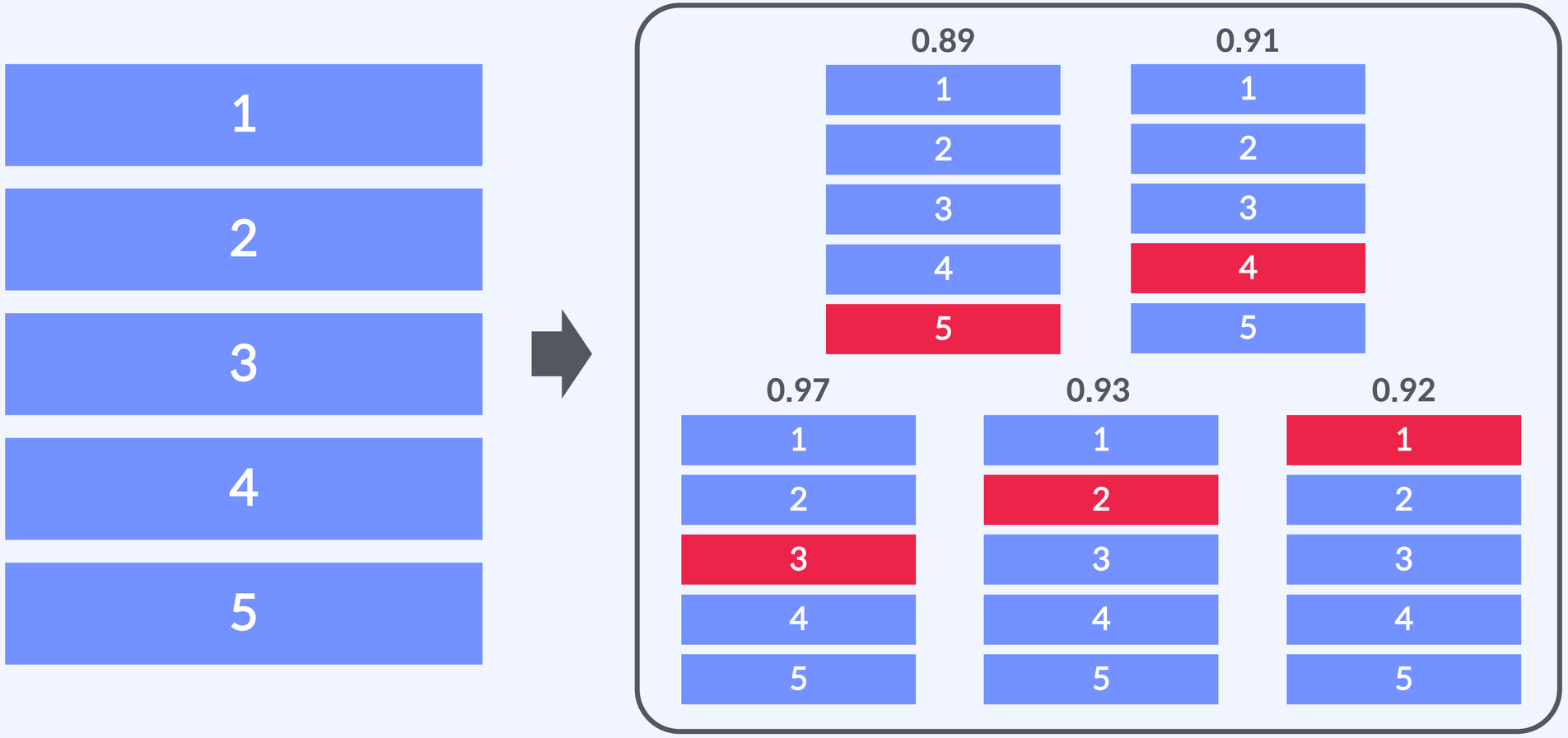
4

5

Cross Validation의 이점



Cross Validation의 이점



Cross Validation의 이점