



# **Job Change of Data Scientists**

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# 01. 데이터 소개



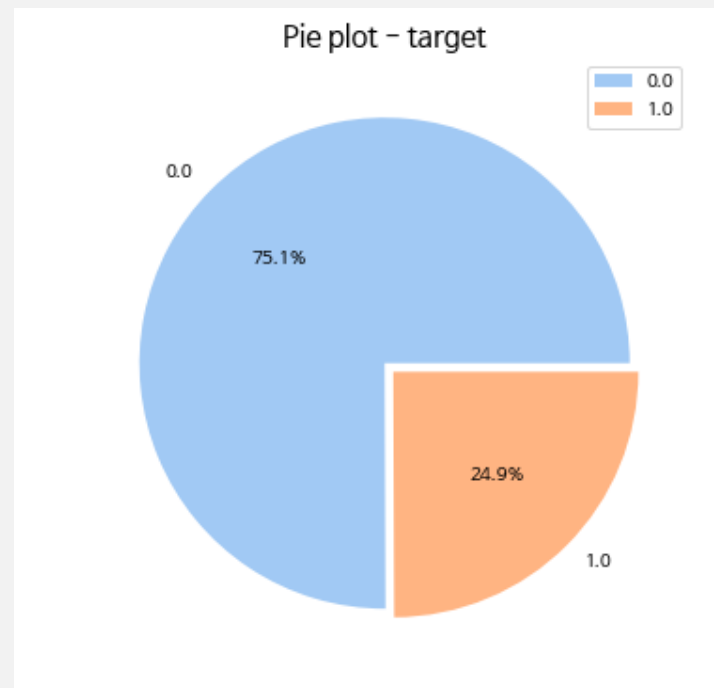
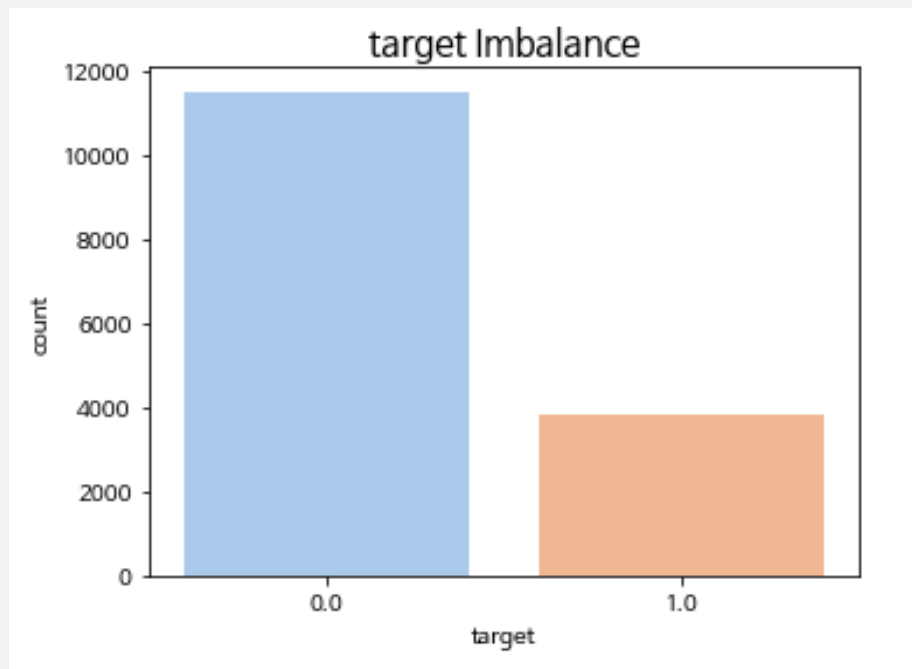
회사에서 데이터 과학자를 채용  
하기 위해 교육과정을 통한 지  
원자들을 분석

## 한계점

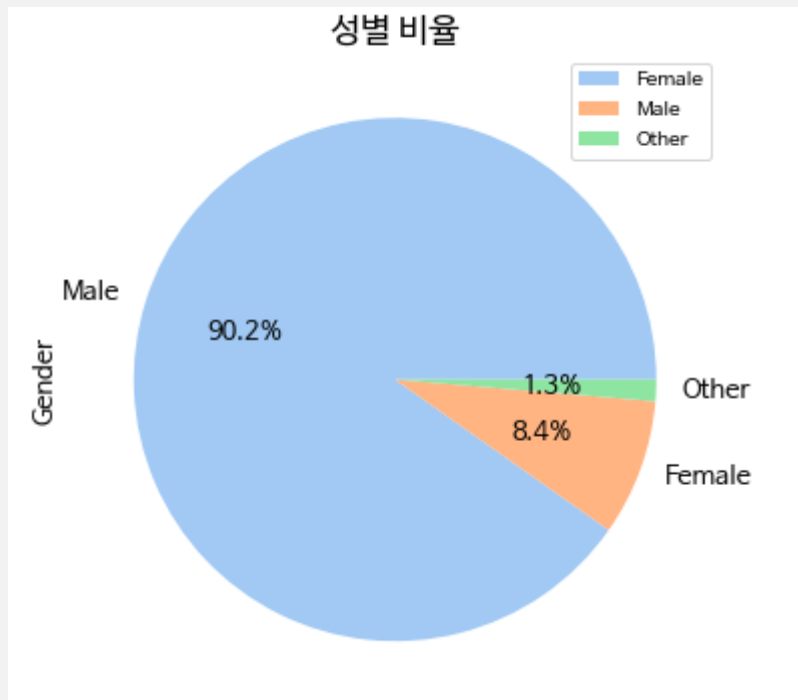
- 데이터의 불균형
- 대부분 범주형 데이터
- High cardinality (city)



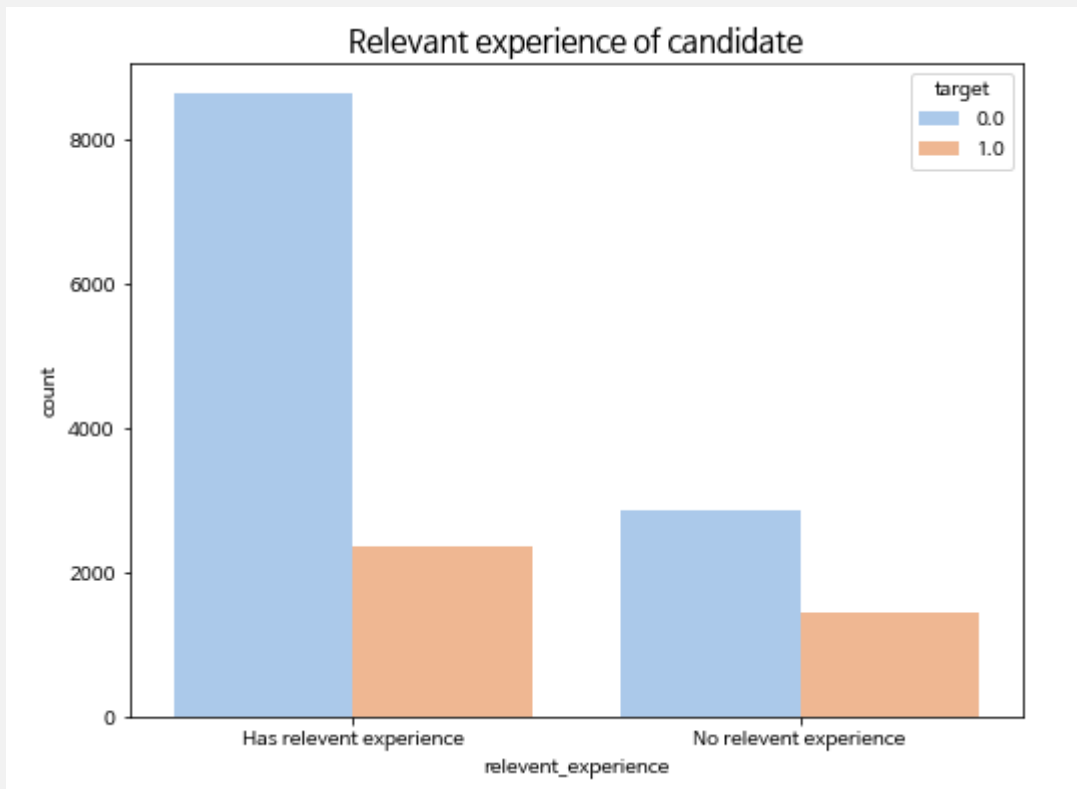
## 02. 데이터 분석



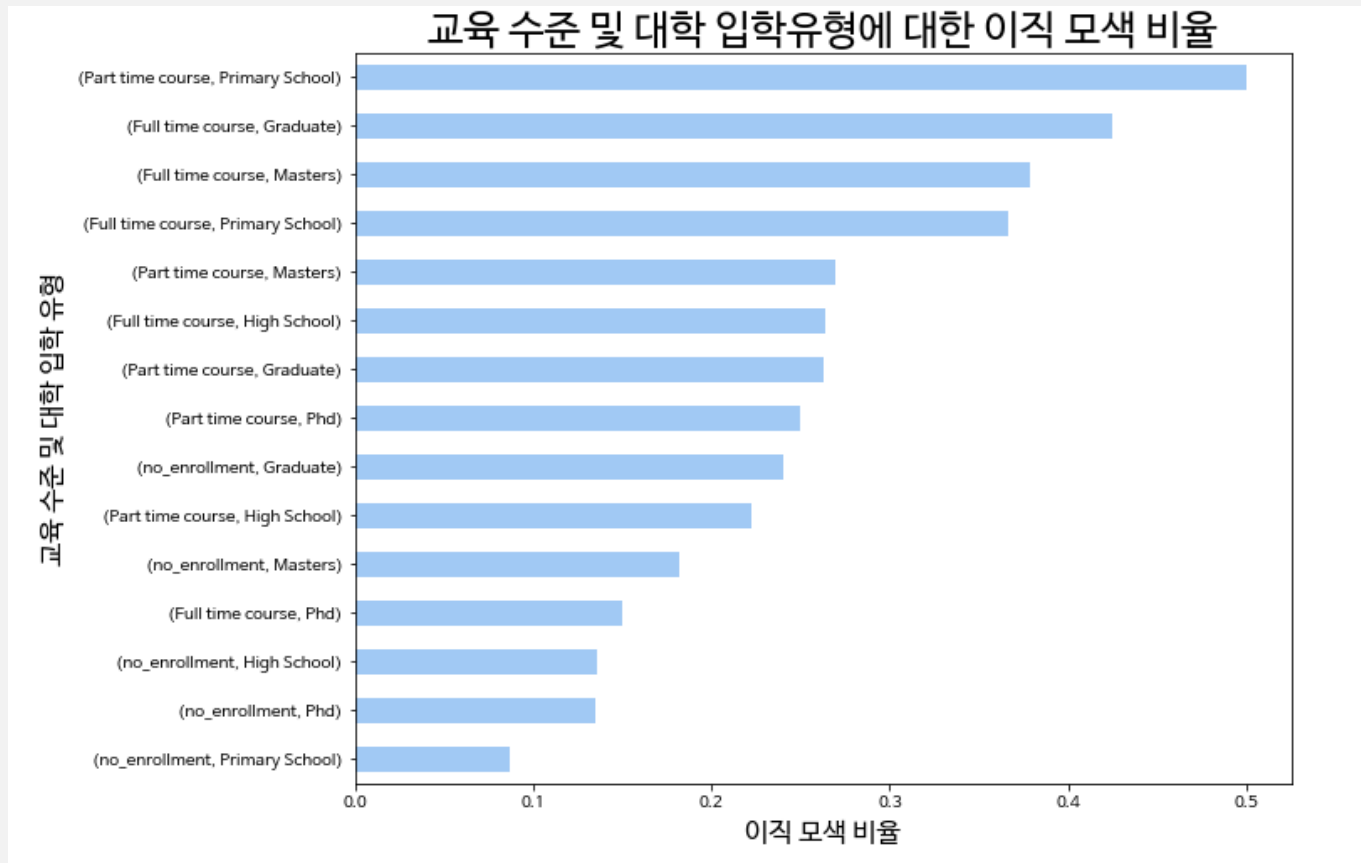
## 02. 데이터 분석



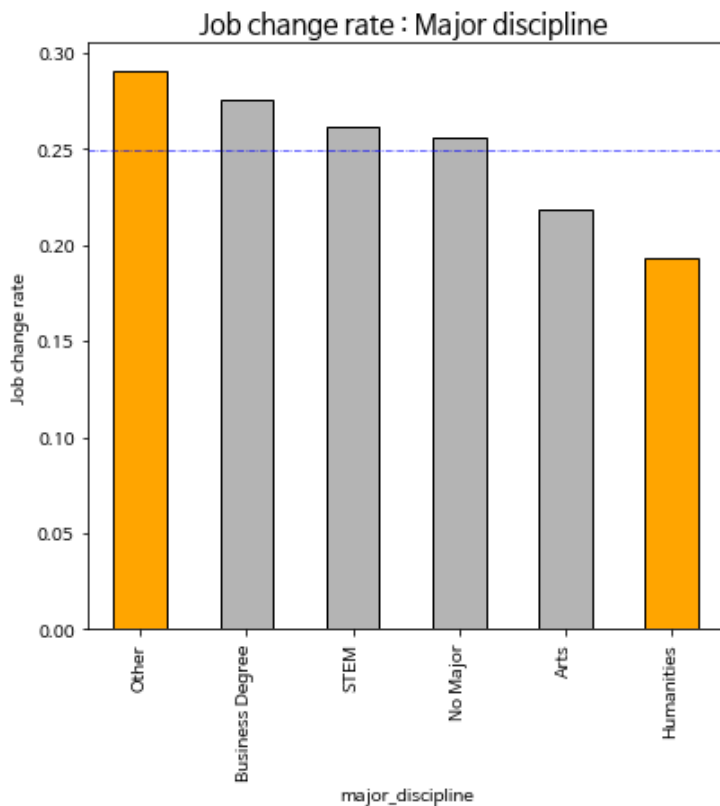
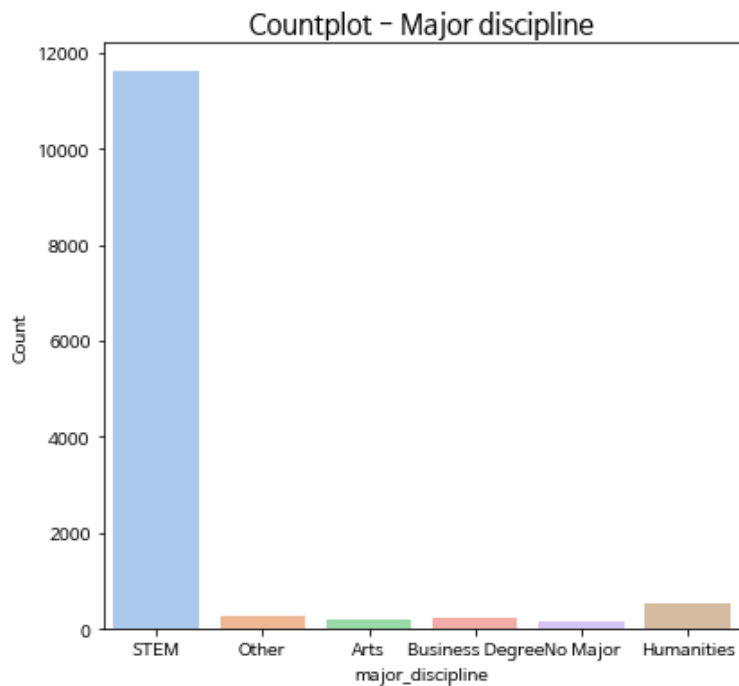
## 02. 데이터 분석



## 02. 데이터 분석

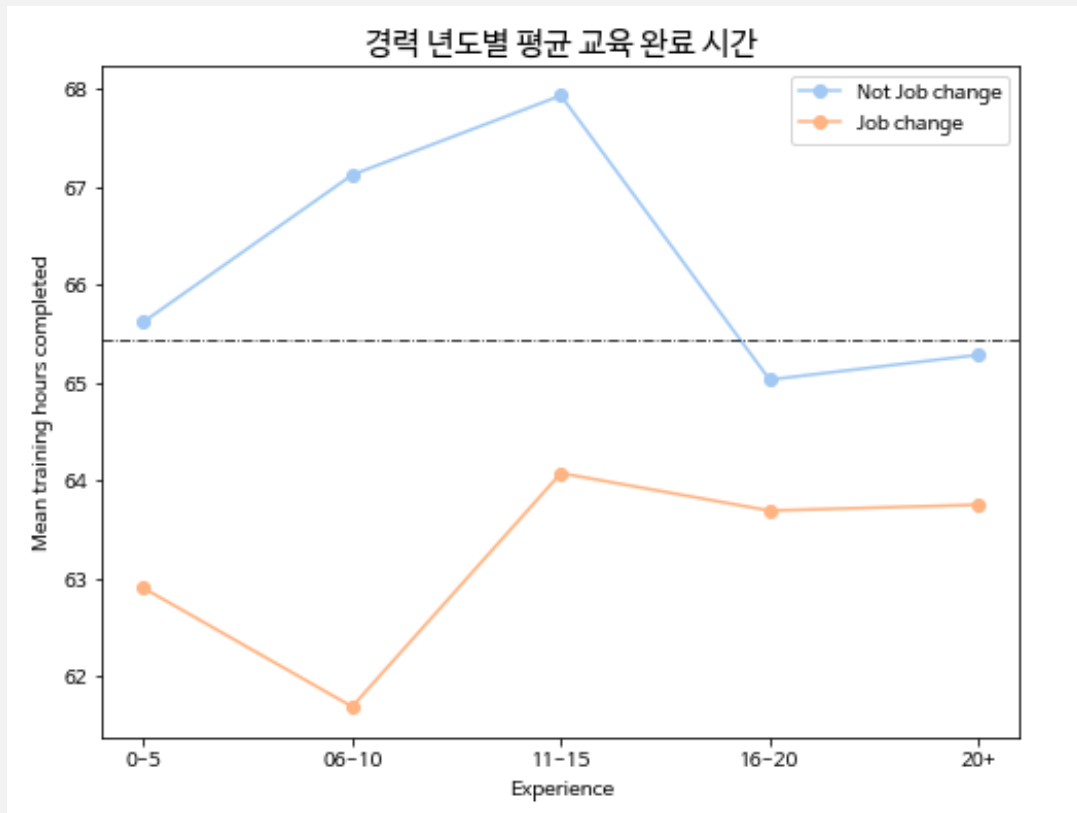


## 02. 데이터 분석



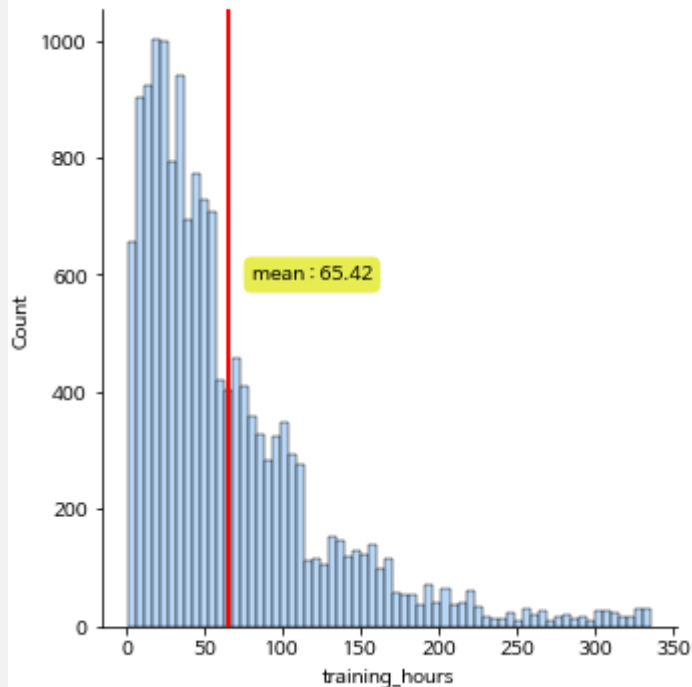


## 02. 데이터 분석

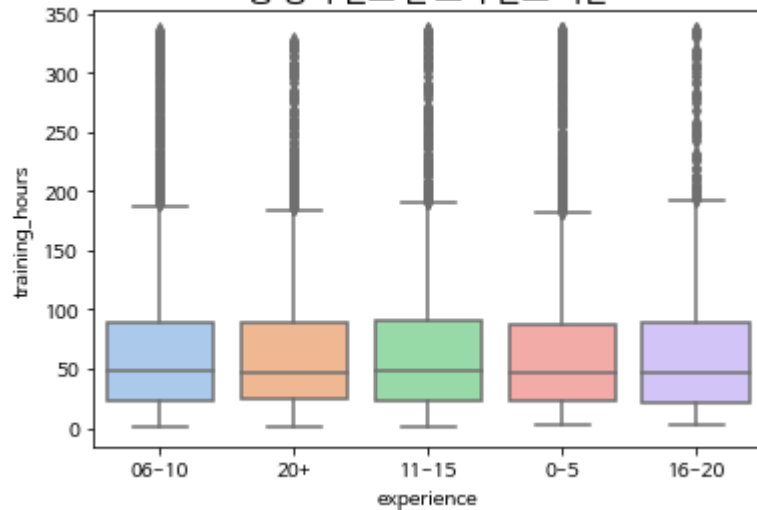


## 02. 데이터 분석

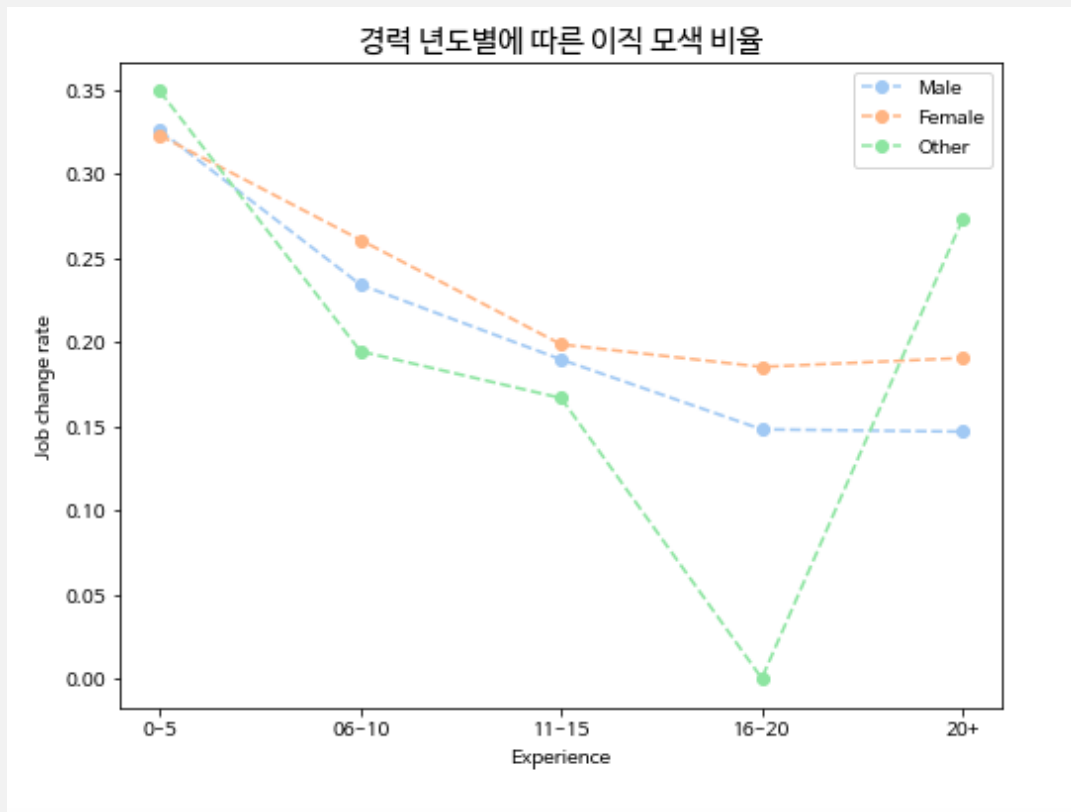
Trainig hours Distplot



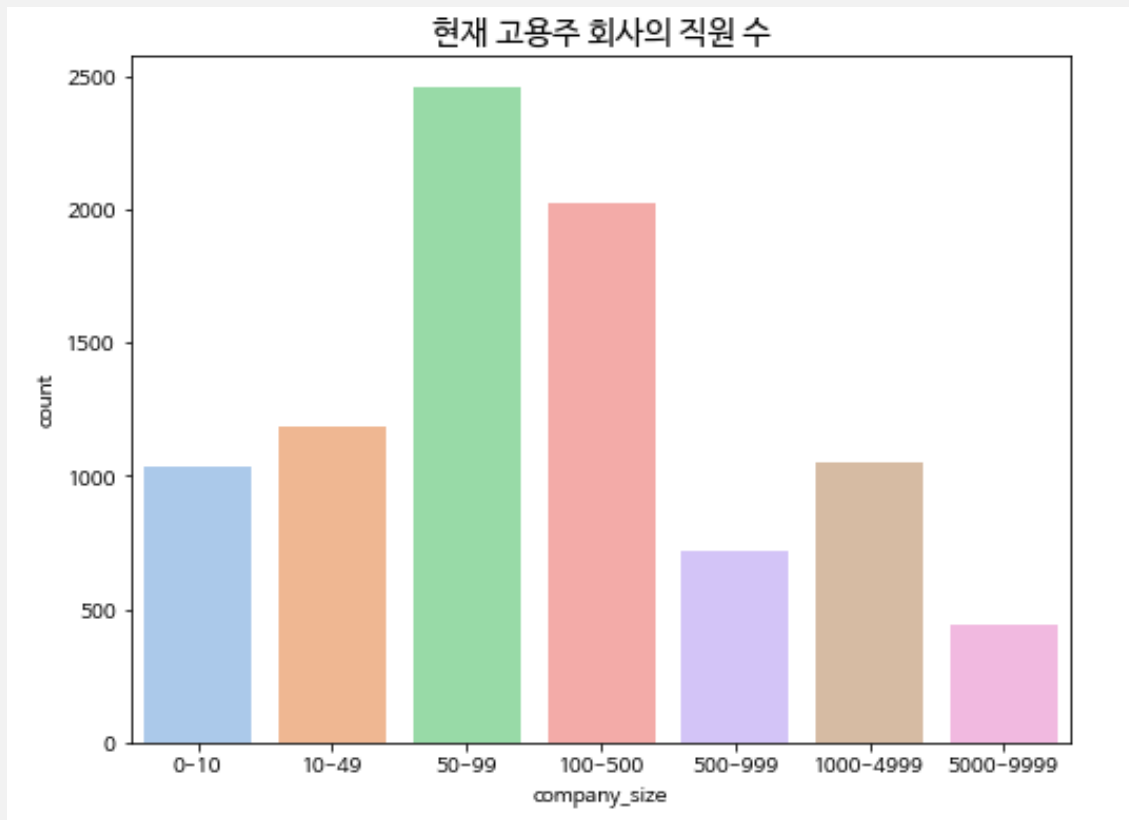
총 경력 년도 별 교육 완료 시간



## 02. 데이터 분석

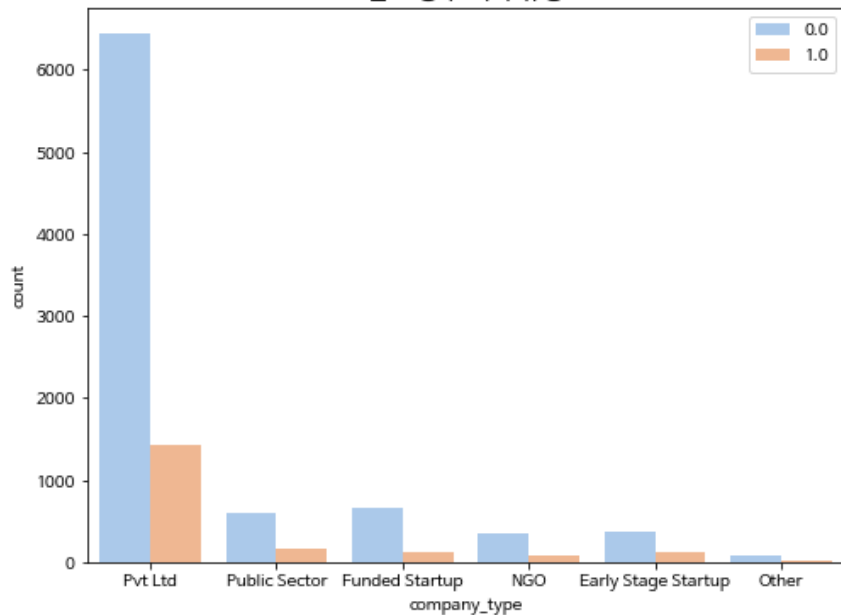


## 02. 데이터 분석

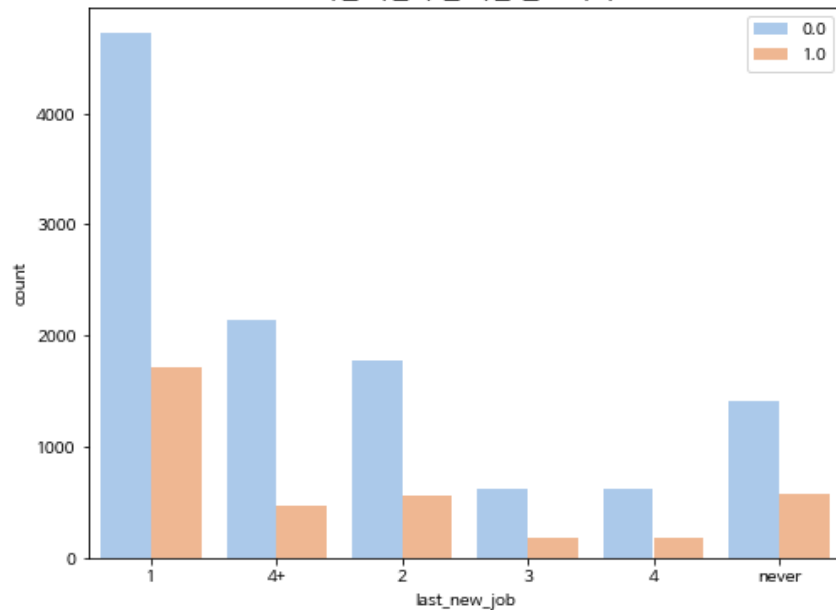


## 02. 데이터 분석

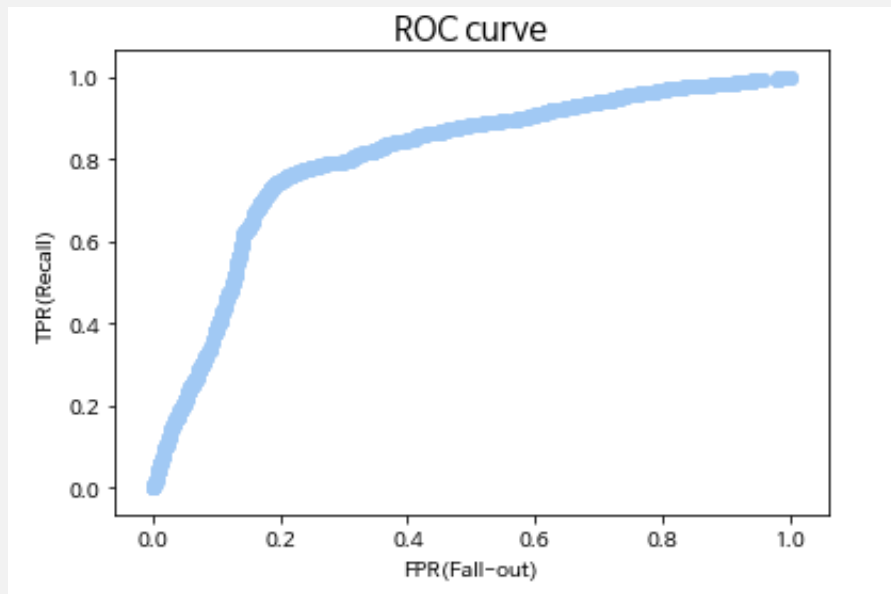
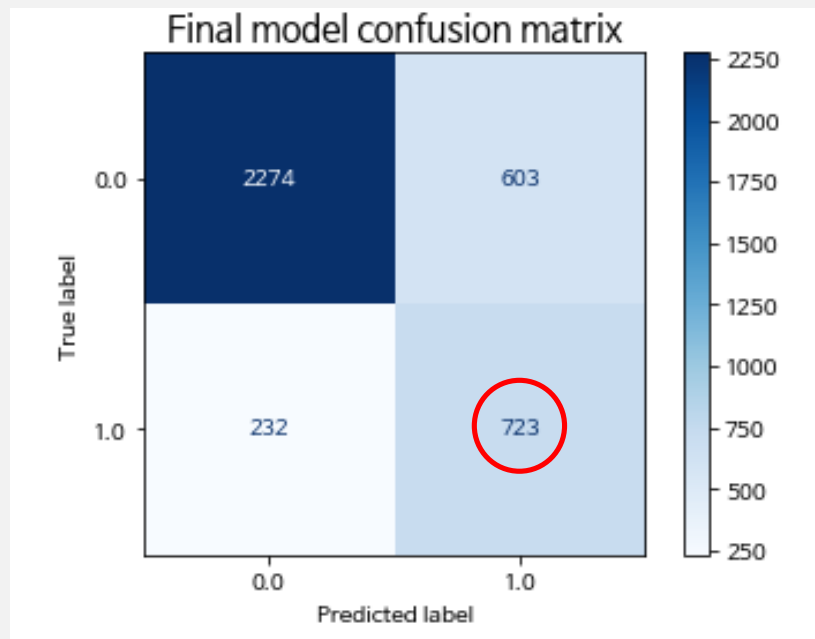
현 고용주 회사 유형



이전 직업과 현 직업 연도 차이



### 03. 분석 결과 및 해석



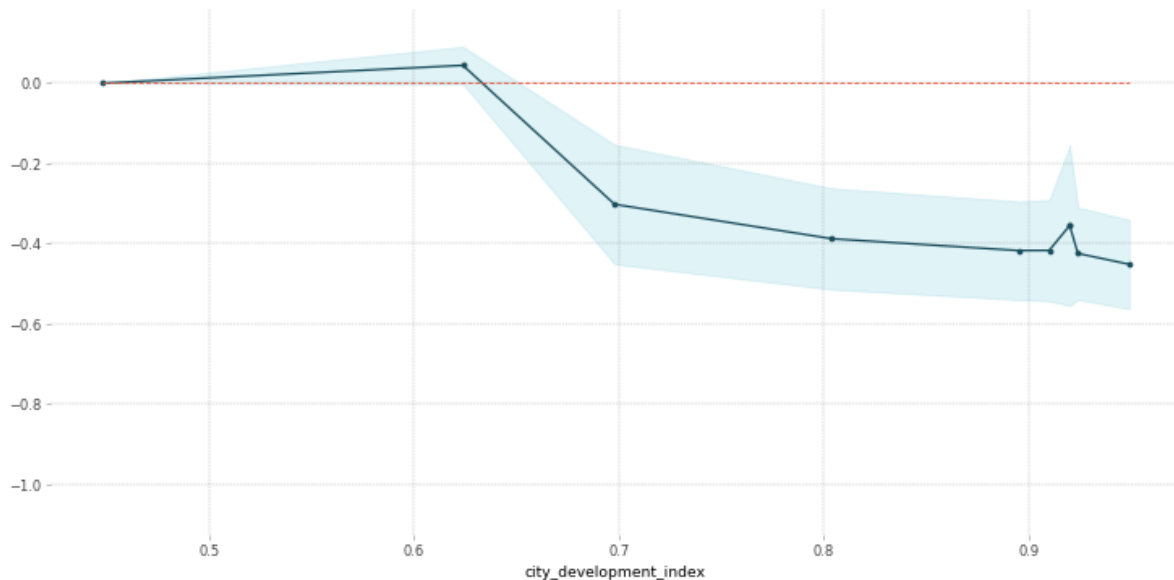
Roc auc score: 0.802



## 03. 분석 결과 및 해석

PDP for feature "city\_development\_index"

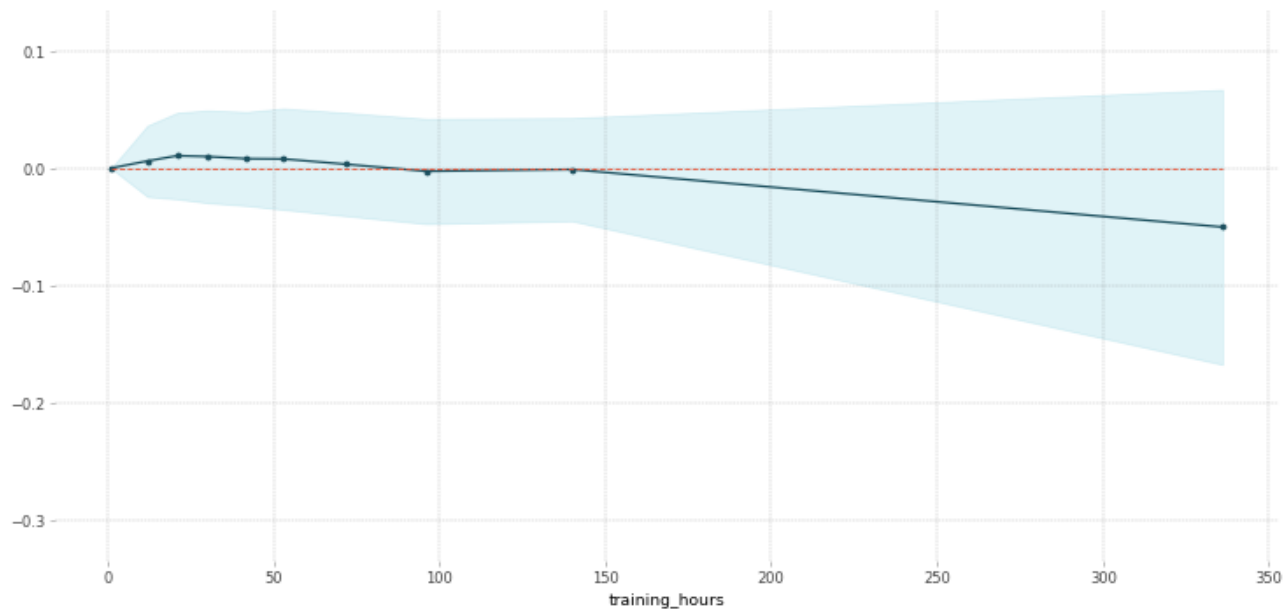
Number of unique grid points: 10



## 03. 분석 결과 및 해석

PDP for feature "training\_hours"

Number of unique grid points: 10





### 03. 분석 결과 및 해석

js

higher ↗ lower

$f(x)$

-1.23

-0.9968

-0.4968

base value

0.003221

0.5032

1.003

city\_development\_index = 0.926

company\_size = 4

experience = 2

company\_type = 2

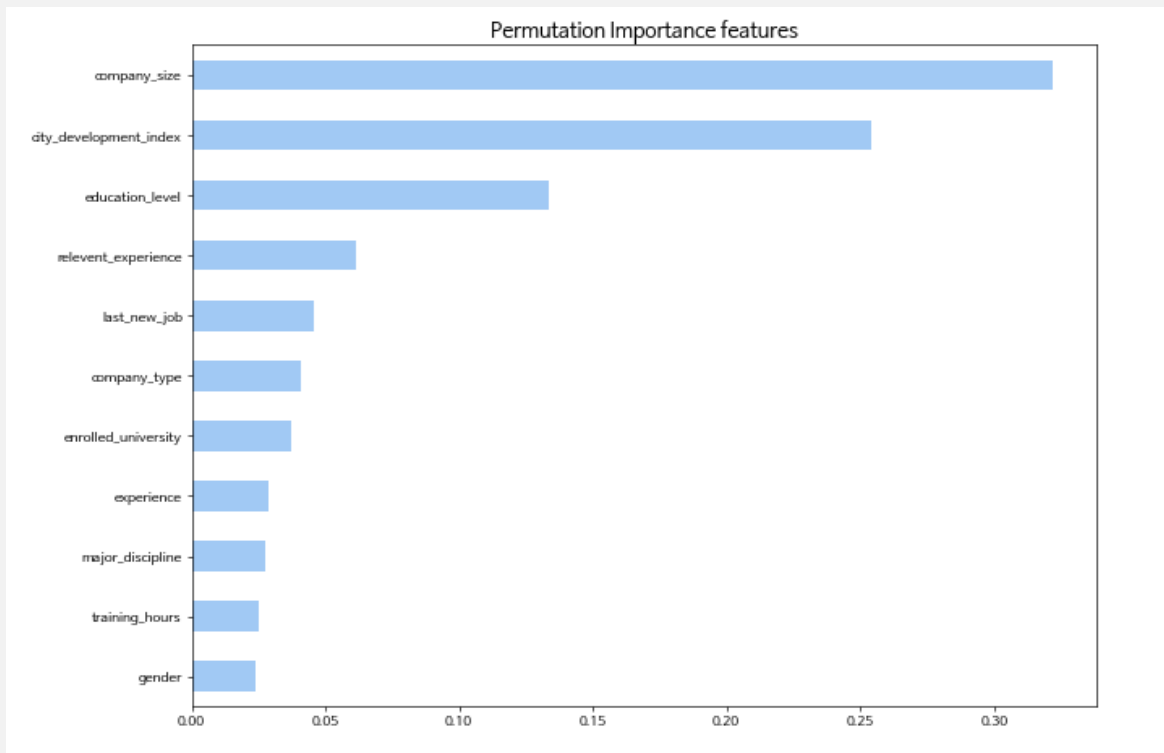
relevent\_experience = 1

training\_hours = 55

enrolled\_university = 1



## 03. 분석 결과 및 해석



## 04. 결론

