

A top-down view of a desk setup. On the left, a spiral-bound notebook with lined pages is open, with a silver pen resting on it. A small green plant is visible in the top left corner. In the center, a white ceramic cup filled with dark coffee sits on a brown cork coaster. To the right, a portion of a white keyboard is visible, showing keys like 'tab', 'caps lock', 'shift', 'control', 'option', 'command', and various letter keys. The background is a plain, light-colored surface.

환자 No-Show 예측

OVERVIEW

-
- 서비스 소개
 - 서비스 시연
 - 마무리 발언

환자 너무 많다!



NO-SHOW

사전적 정의

예약을 했지만 취소 연락 없이
예약 장소에 나타나지 않는 것

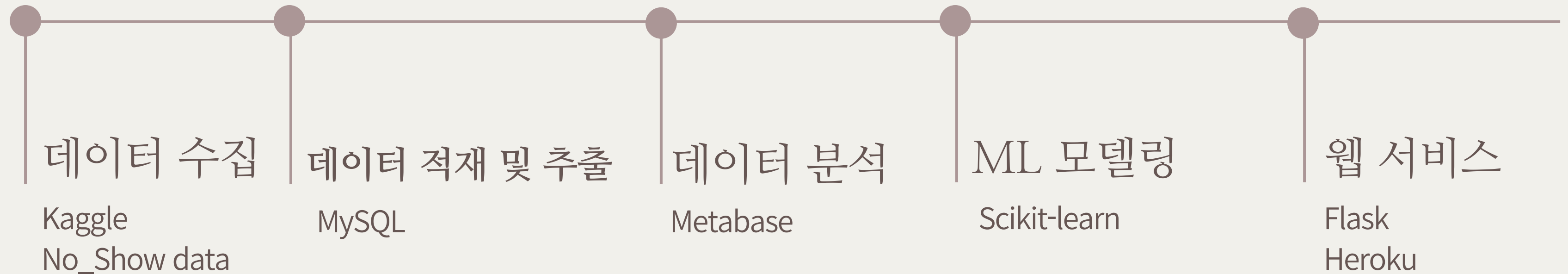
문제 정의

문제 해결

난 신이 아냐!



TASK FLOW



데이터 적재 및 추출

MySQL

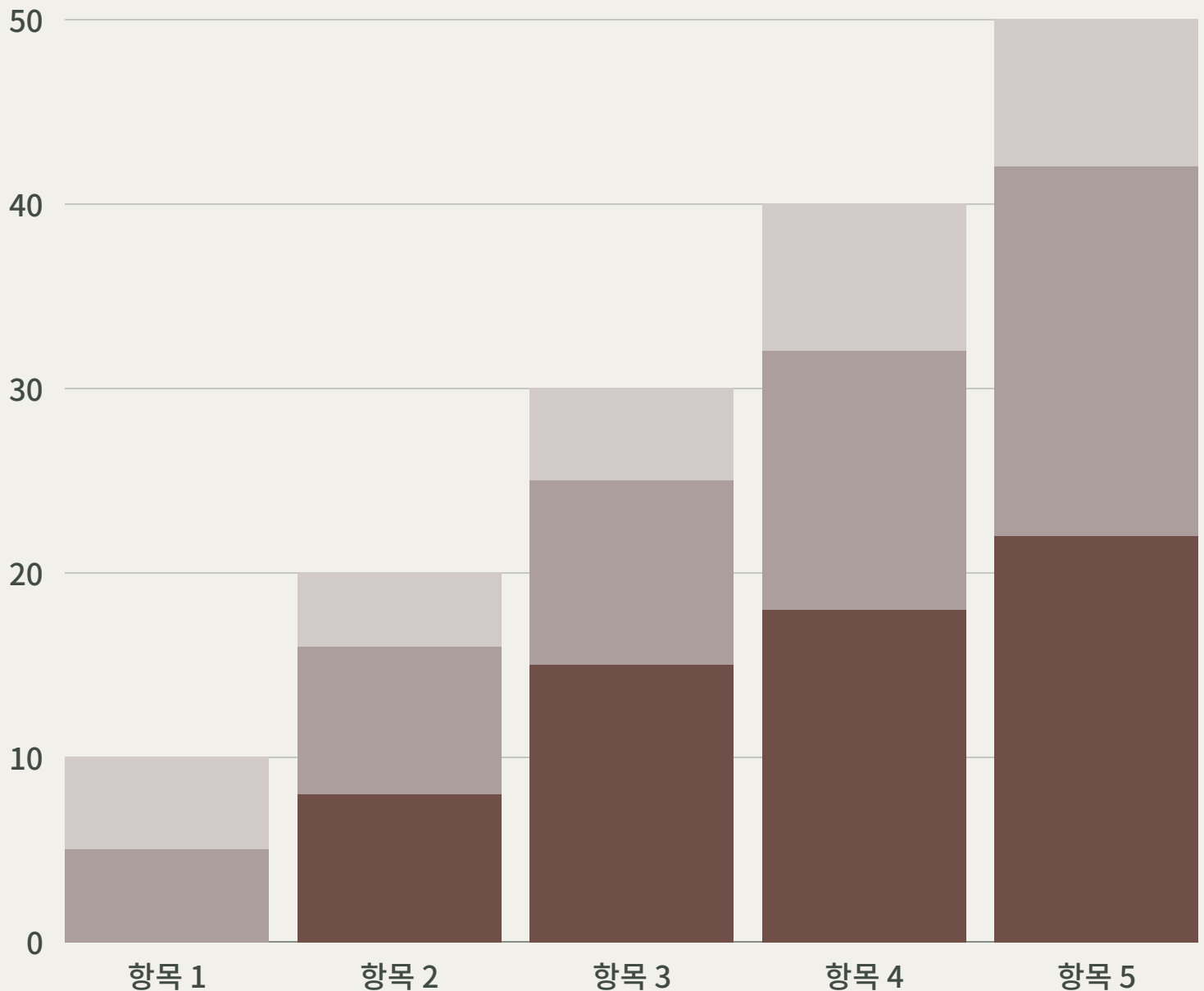
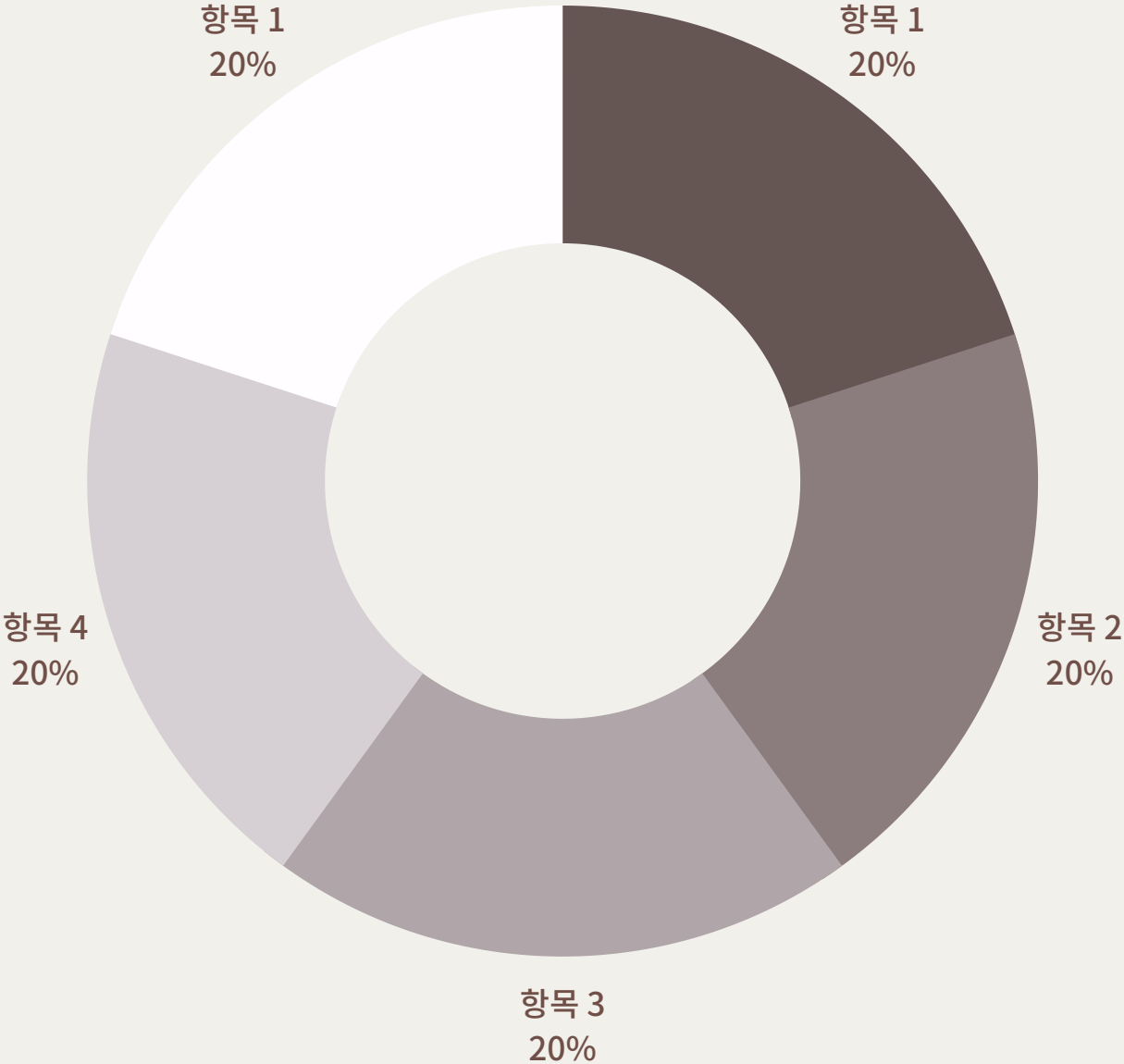
```
SELECT *  
FROM no_show;
```

seq	PatientId	AppointmentID	Gender	ScheduledDay	AppointmentDay	
1	29872499824296	5642903	F	2016-04-29T18:38:08Z	2016-04-29T00:00:00Z	62
2	558997776694438	5642503	M	2016-04-29T16:08:27Z	2016-04-29T00:00:00Z	56
3	4262962299951	5642549	F	2016-04-29T16:19:04Z	2016-04-29T00:00:00Z	62
4	867951213174	5642828	F	2016-04-29T17:29:31Z	2016-04-29T00:00:00Z	8
5	8841186448183	5642494	F	2016-04-29T16:07:23Z	2016-04-29T00:00:00Z	56
6	95985133231274	5626772	F	2016-04-27T08:36:51Z	2016-04-29T00:00:00Z	76
7	733688164476661	5630279	F	2016-04-27T15:05:12Z	2016-04-29T00:00:00Z	23
8	3449833394123	5630575	F	2016-04-27T15:39:58Z	2016-04-29T00:00:00Z	39
9	563047700010072	5630447	F	2016-04-20T08:02:16Z	2016-04-20T00:00:00Z	21

pymysql

```
import pymysql  
  
conn = pymysql.connect(  
    host='221.138.211.111',  
    user='root',  
    password='1234567890',  
    db='project_3',  
    charset='utf8mb4',  
    autocommit=True,  
    cursorclass=pymysql.cursors.DictCursor
```

Metabase 데이터 분석



ML 모델링

1. 분류 문제라고 판별하여 DecisionTreeClassifier를 이용
2. 모델 정확도 : 0.8018493218851502

웹 서비스

링크 : <https://projectnoshow.herokuapp.com/>

마무리

1. 크롤링(BeautifulSoup, Selenium..)을 하지 않고 데이터를 적재 및 추출 한 것이 아쉽다.
2. 머신러닝 성능을 올리지 못한 것이 아쉽다.
3. 웹이 안 이쁘다.

THANK YOU

감사합니다

