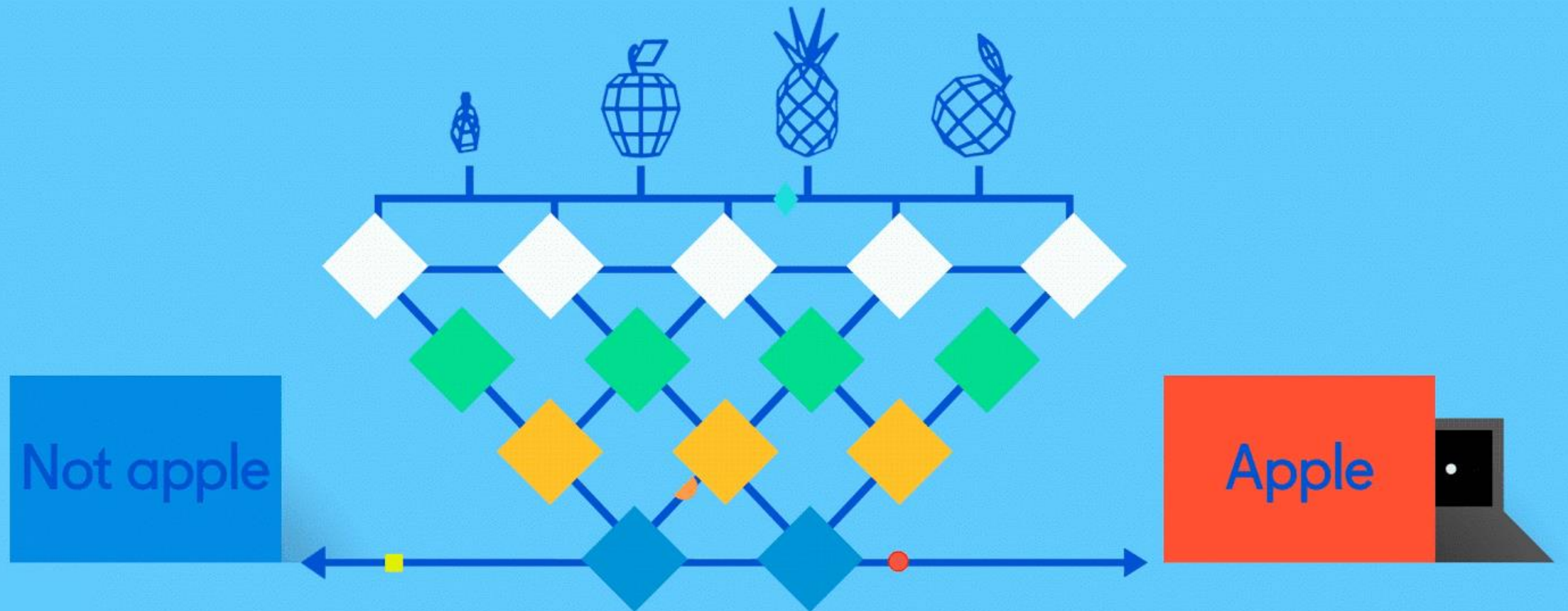


딥러닝 Classification Model



데이터셋

■ kaggle 가입 및 kgggle.json 다운로드

- kaggle 가입 : <https://www.kaggle.com/>
- kgggle.json 다운로드 : <https://www.kaggle.com/<username>/account>

API

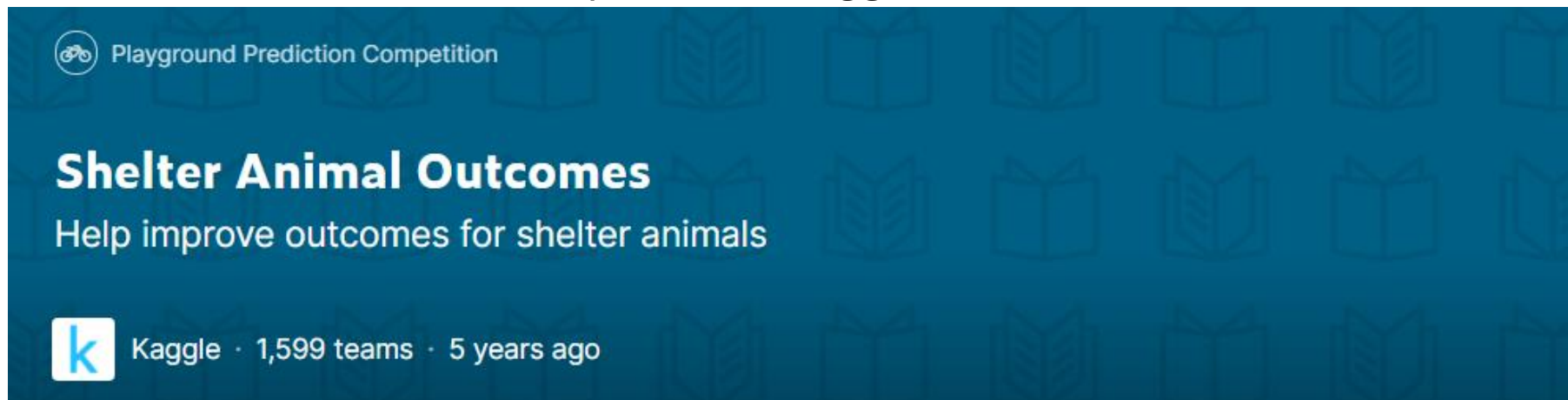
Using Kaggle's beta API, you can interact with Competitions and Datasets to download data, make submissions, and more via the command line. [Read the docs](#)

Create New API Token

Expire API Token

■ 데이터

- **Shelter Animal Outcomes**, <https://www.kaggle.com/c/shelter-animal-outcomes/data>



데이터셋

■ kaggle 사이트 Data 메뉴 → 다운로드 아이콘 클릭 → agree 버튼 클릭

Kaggle · 1,599 teams · 5 years ago

Overview **Data** Code Discussion Leaderboard Rules Team My Submissions **Late Submission**

< **train.csv** (59.76 KB) [Download Icon]

Competition Rules

To see this data you need to agree to the [competition rules](#).
By clicking "I understand and accept" you agree to be bound to these rules.

I understand and agree

You must accept this competition's rules before you can continue

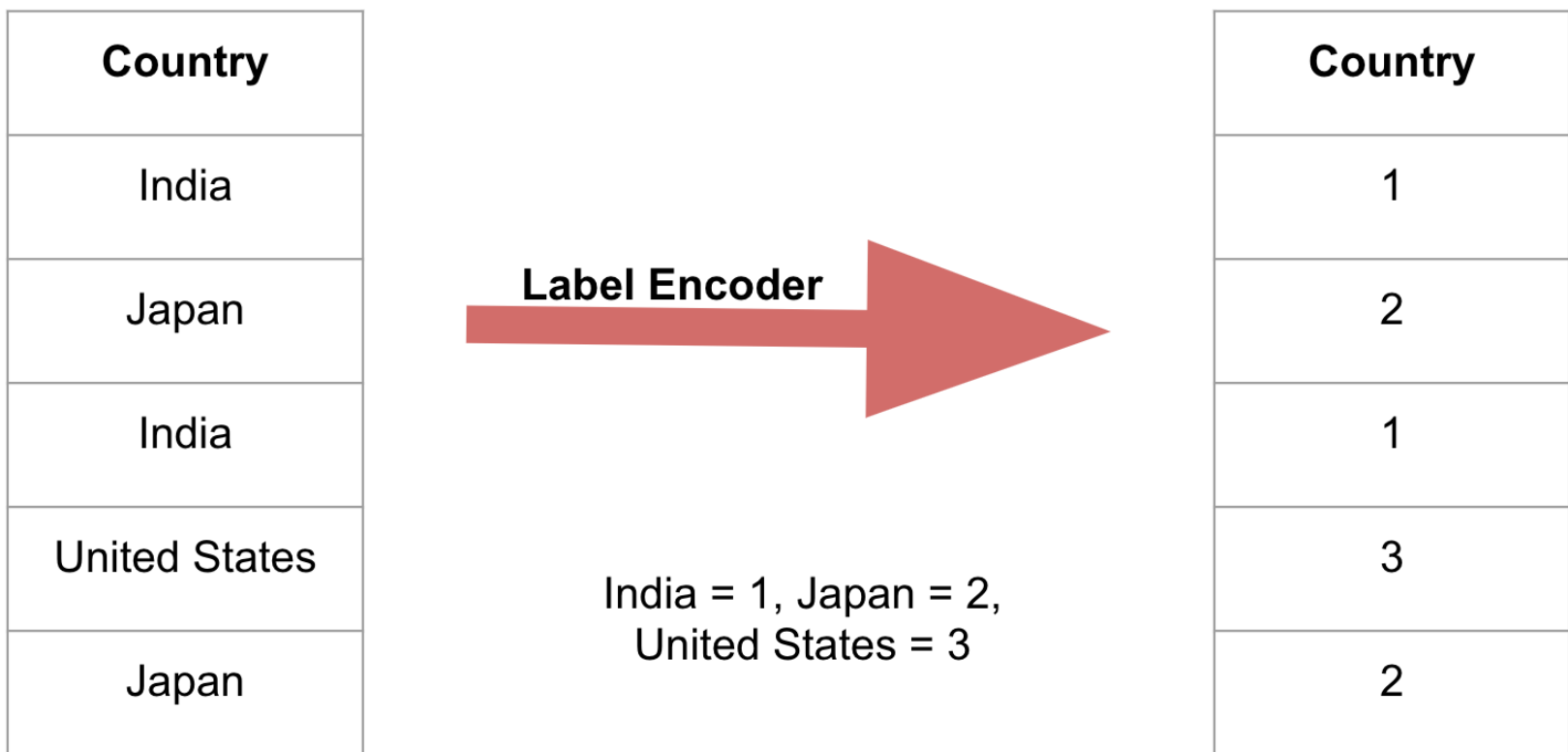
By clicking on the "I understand and accept" button, you indicate that you agree to be bound with the rules outlined below.

I Understand and Accept

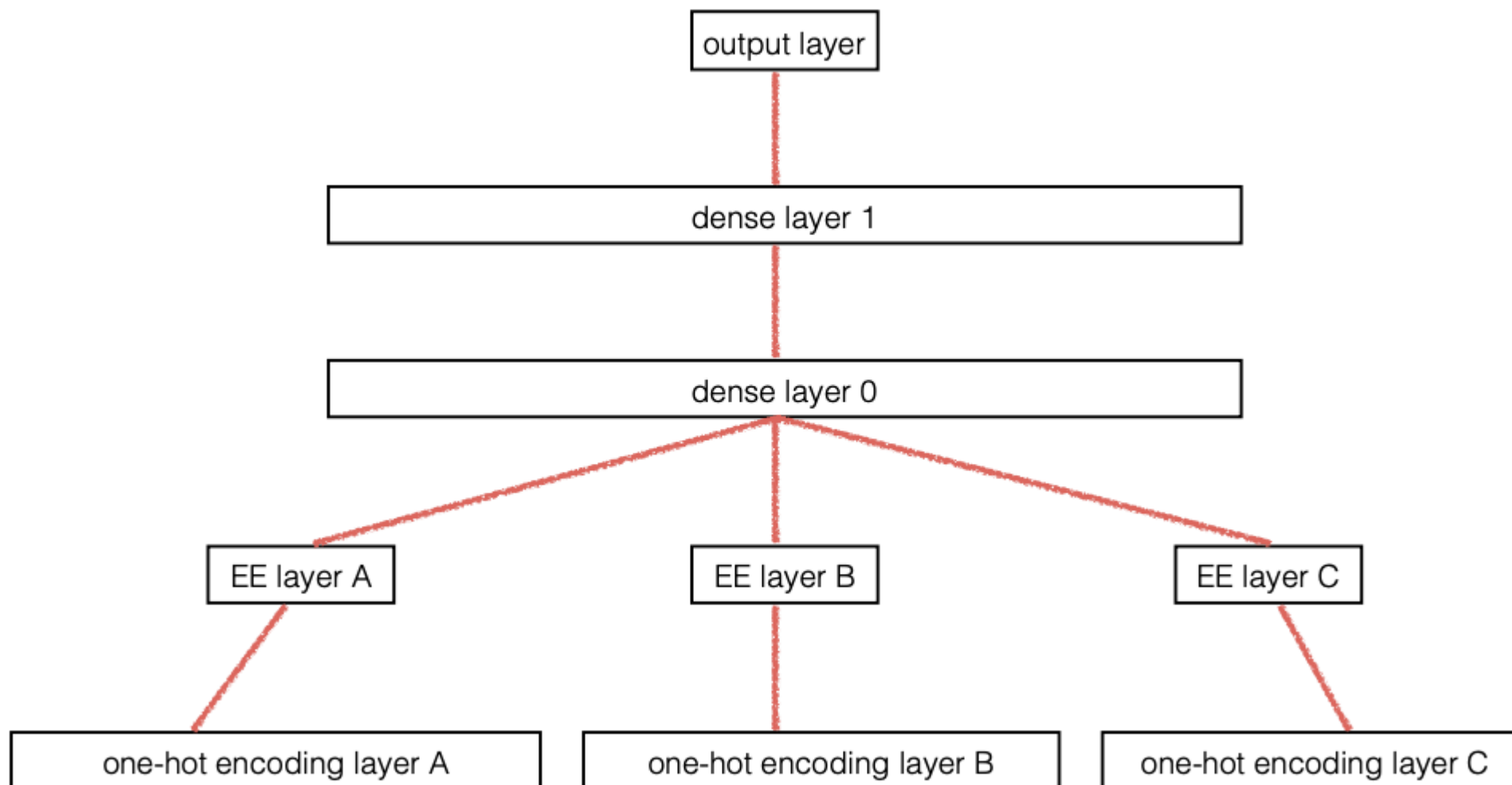
데이터셋

	AnimalID	Name	DateTime	OutcomeType	OutcomeSubtype	AnimalType	SexuponOutcome	AgeuponOutcome	Breed	Color
0	A671945	Hambone	2014-02-12 18:22:00	Return_to_owner	NaN	Dog	Neutered Male	1 year	Shetland Sheepdog Mix	Brown/White
1	A656520	Emily	2013-10-13 12:44:00	Euthanasia	Suffering	Cat	Spayed Female	1 year	Domestic Shorthair Mix	Cream Tabby
2	A686464	Pearce	2015-01-31 12:28:00	Adoption	Foster	Dog	Neutered Male	2 years	Pit Bull Mix	Blue/White
3	A683430	NaN	2014-07-11 19:09:00	Transfer	Partner	Cat	Intact Male	3 weeks	Domestic Shorthair Mix	Blue Cream

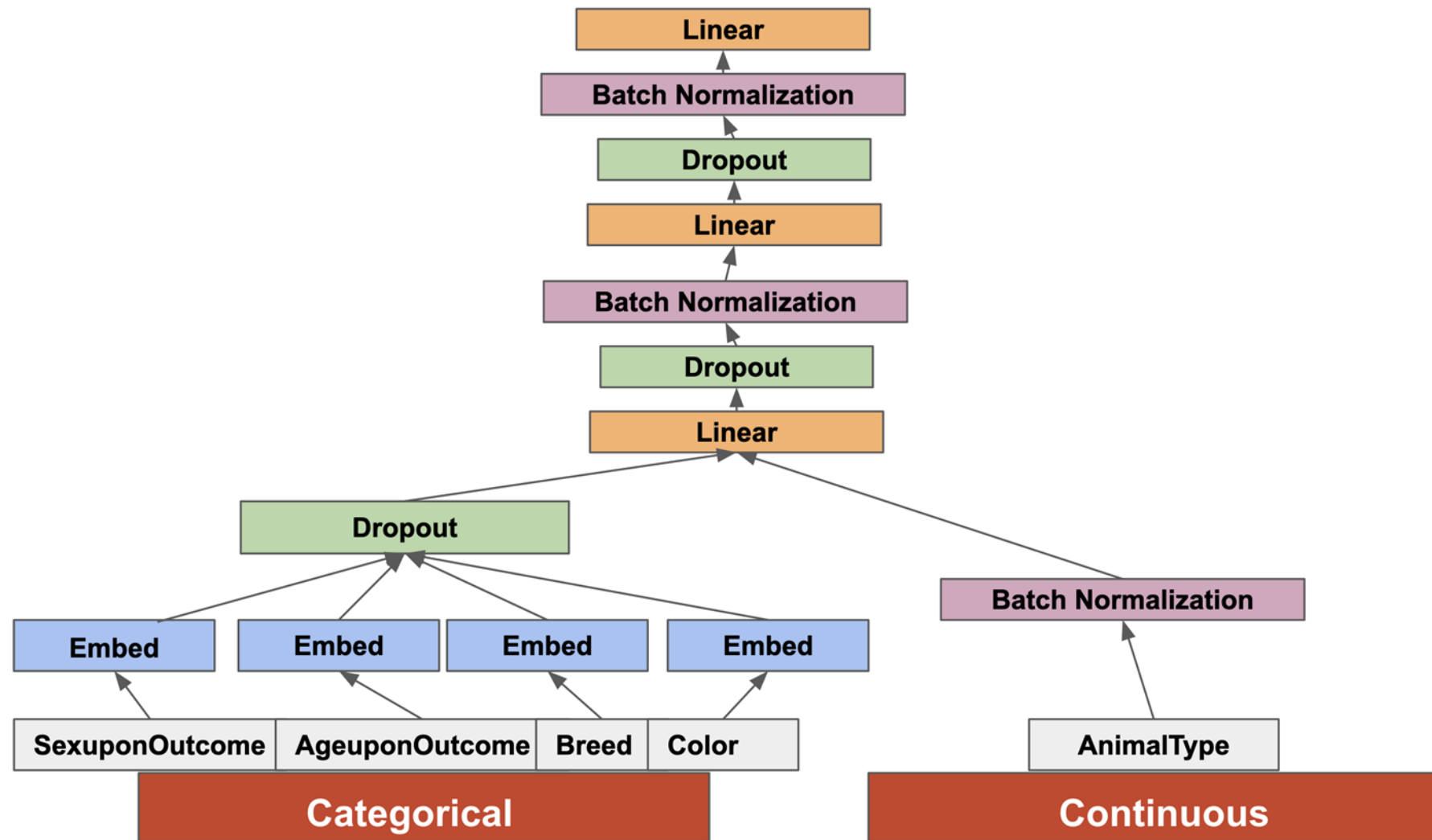
Label encoding



Categorical Embeddings



Model



실습

■ 노트북 파일 다운로드

<https://jovian.ai/aakanksha-ns/shelter-outcome>

■ 다운로드 받은 노트북파일을 Colab에서 오픈하고 아래 코드를 추가하고 실행

```
! pip install -q kaggle
```

```
from google.colab import files  
files.upload()
```

```
! mkdir ~/.kaggle  
! cp kaggle.json ~/.kaggle/  
! chmod 600 ~/.kaggle/kaggle.json
```

```
! kaggle competitions download -c shelter-animal-outcomes
```

```
! gzip -d train.csv.gz  
! gzip -d test.csv.gz  
! gzip -d sample_submission.csv.gz
```