

This is Sparta ————— The Winners

Spaceship Titanic

Sparta

/

Choi Jungin, Oh Sujin, Jung Donghwan



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Process of Project

프로젝트 진행

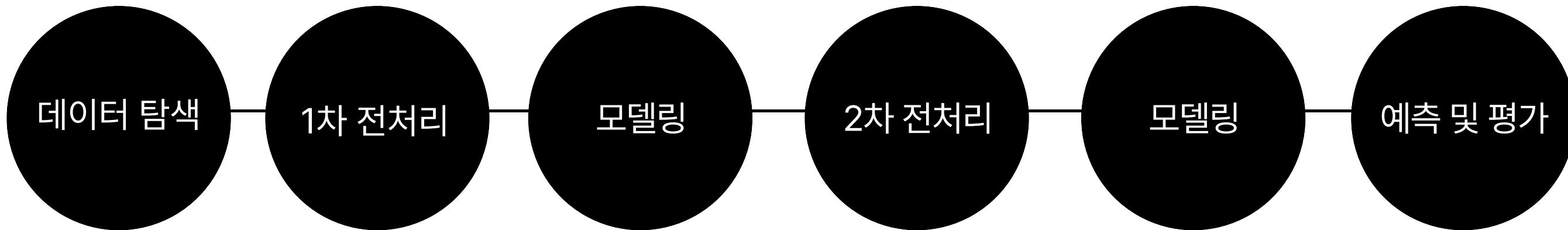
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Review

활동후기

01 About Our Project

| 프로젝트 계획



1차 전처리 후 모델링 결과
확인 후 추가 전처리 진행

01 About Our Project

스파르타

| 프로젝트 진행 순서

전처리



- 데이터 탐색
- 결측치 채우기
- 1) Cabin
- 2) VIP
- 3) CryoSleep
- 4) HomePlanet
- 5) Destination

데이터 핸들링



- 컬럼별 상관계수 확인
- 원-핫 인코딩
- 스케일링

모델링



- RandomForest
- XGBoost
- CatBoost
- XGBoost

예측 및 평가



- 데이터 기본 정보 확인
- NaN값 처리 방법 고민

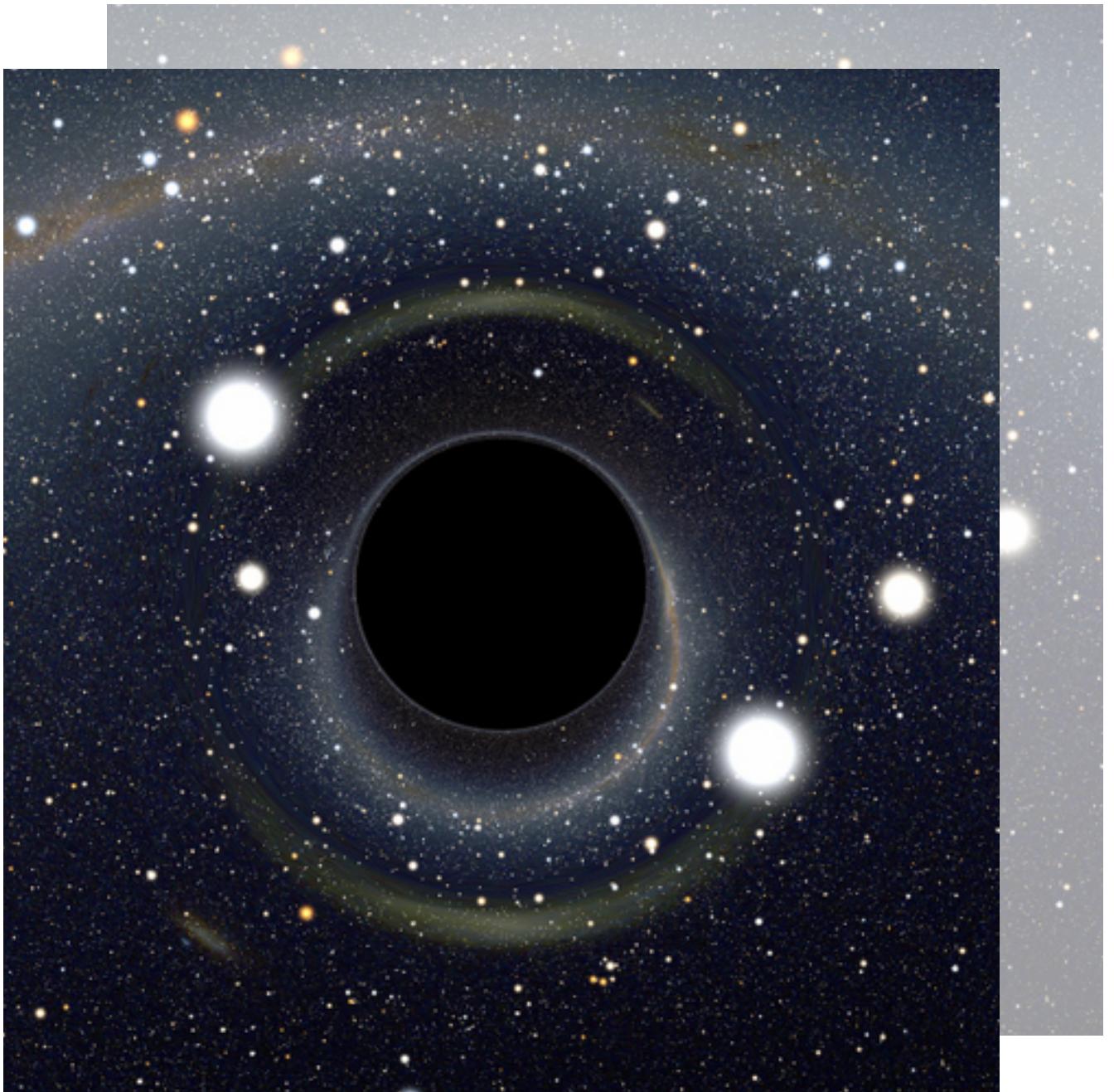
02 Introduction of Features

1. 피처 소개

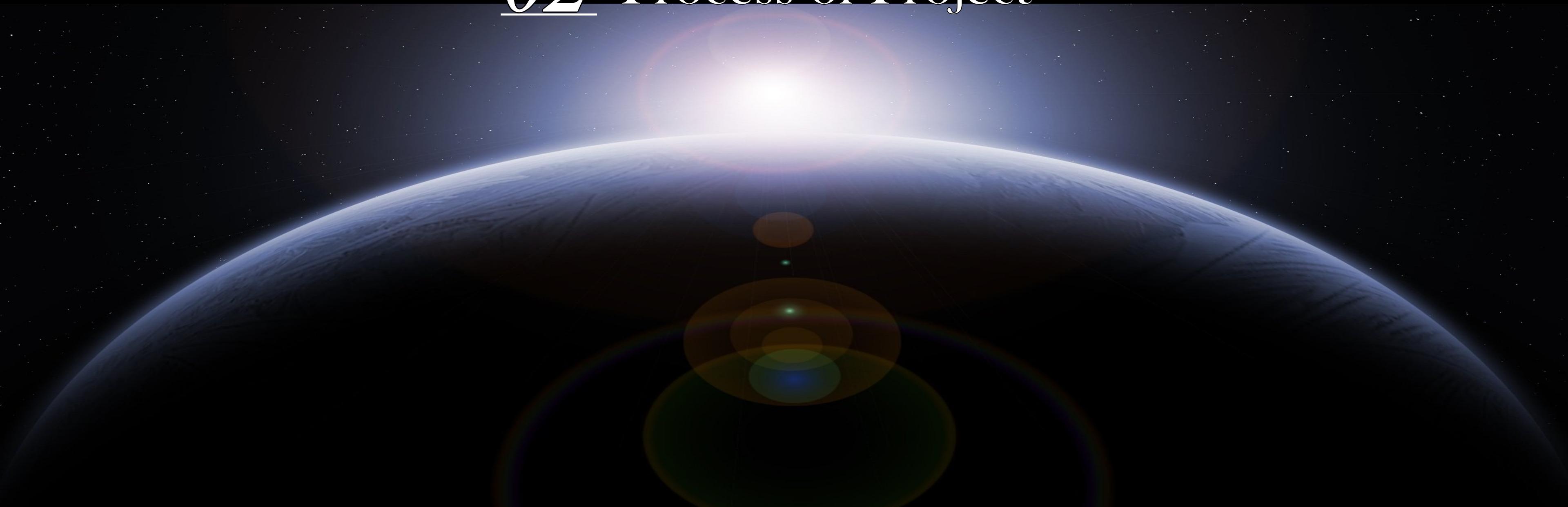
1. 피처 소개

| Features 소개

PassengerId : 승객 ID
HomePlanet : 출발지
CryoSleep : 냉동수면
Cabin : 객실
Destination : 목적지
Age : 나이
VIP : VIP
RoomService : 룸서비스 이용액
FoodCourt : 푸드코트 이용액
ShoppingMall : 쇼핑몰 이용액
Spa : 스파 이용액
VRDeck : VR데크 이용액
Name : 이름
Transported : 이동



02 Process of Project



03 Process of Project



Transported 예측 정확도

| XGBoostClassifier 모델

The screenshot shows the Kaggle competition interface for the "Spaceship Titanic" competition. At the top, it displays the competition title "GettingStarted Prediction Competition" and the main challenge "Spaceship Titanic" with the subtitle "Predict which passengers are transported to an alternate dimension". It also shows the number of teams, "Kaggle · 2,379 teams · Ongoing". Below the header, there is a navigation bar with links: Overview, Data, Code, Discussion, Leaderboard, Rules, Team, Submissions (which is underlined), Submit Predictions, and a three-dot menu. The "Submit Predictions" button is highlighted with a black background and white text.

Submissions

All	Successful	Errors	Public Score ▾
Submission and Description			Public Score ⓘ
sample_submission.csv			0.80149

Transported 예측 정확도

| CatboostClassifier 모델

The screenshot shows the Kaggle competition interface for the Spaceship Titanic competition. At the top, it displays the competition title "GettingStarted Prediction Competition" and the main title "Spaceship Titanic" with the subtitle "Predict which passengers are transported to an alternate dimension". It also shows the Kaggle logo and the number of teams (2,379). Below the header, there are navigation links: Overview, Data, Code, Discussion, Leaderboard, Rules, Team, Submissions, Submit Predictions, and a three-dot menu. The "Submit Predictions" button is highlighted with a black background and white text. The main content area is titled "Submissions" and includes filters for All, Successful, and Errors, along with a "Recent" dropdown. A table lists one submission: "submission_sparta.csv" by "Complete", submitted 1d ago with the message "Hello, this is my very first competition I am so grateful to join this competition". The public score for this submission is 0.74701.

Submission and Description	Public Score
submission_sparta.csv Complete · 1d ago · Hello, this is my very first competition I am so grateful to join this competition	0.74701

Submissions

All	Successful	Errors	Recent
All	Successful	Errors	Recent
Submission and Description			Public Score ⓘ
submission_sparta.csv Complete · 1d ago · Hello, this is my very first competition I am so grateful to join this competition			0.74701

Transported 예측 정확도

| Stacking Ensemble 모델

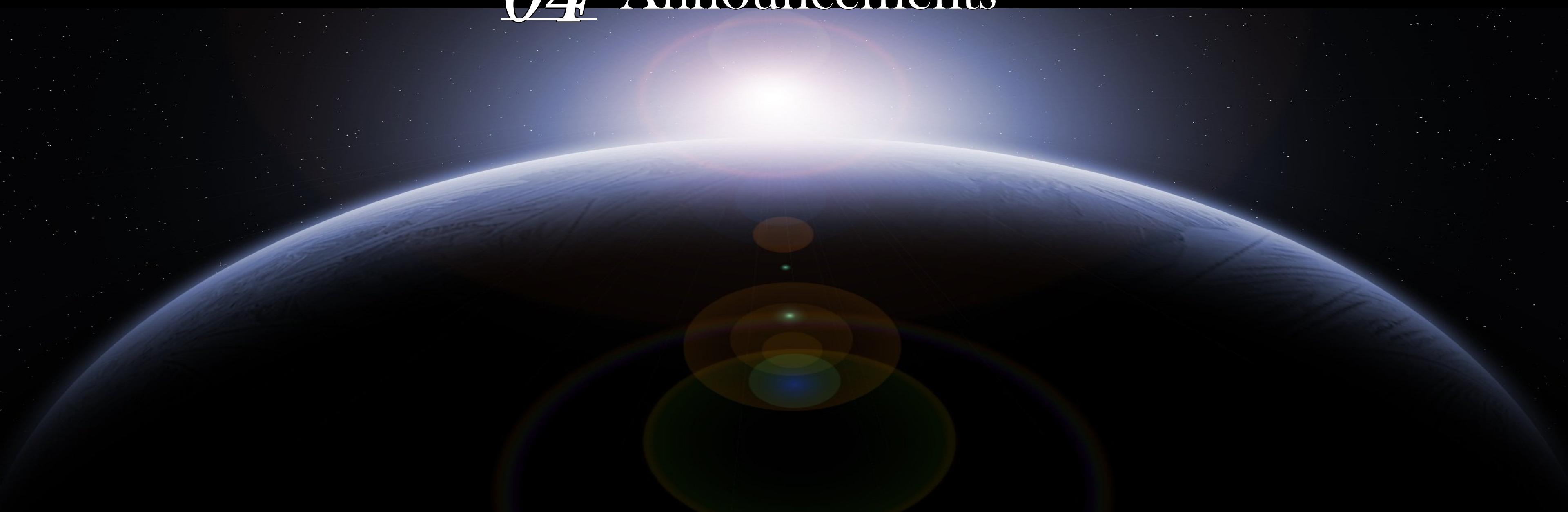
The screenshot shows the Kaggle competition interface for the "GettingStarted Prediction Competition" titled "Spaceship Titanic". The main title "Spaceship Titanic" is displayed prominently, along with the subtitle "Predict which passengers are transported to an alternate dimension". Below this, it shows "Kaggle · 2,379 teams · Ongoing". The navigation bar includes links for Overview, Data, Code, Discussion, Leaderboard, Rules, Team, Submissions (which is underlined), Submit Predictions, and more.

Submissions

Filter options include All, Successful, Errors, and Recent. A table lists the submission details:

Submission and Description	Public Score
submitte.csv Complete · 12h ago	0.79331

04 Announcements



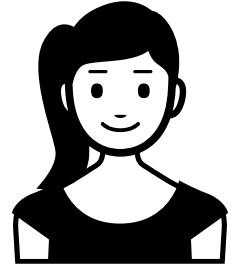
04 Sparta Member

스파르타



1

Team Leader
최정인

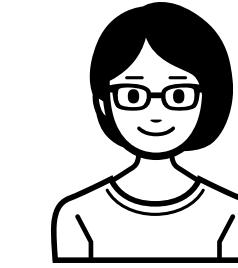


"좋은 팀원들과 함께 프로젝트를
진행할 수 있어 좋았습니다."

실력있는 팀원들과 함께 프로젝트를 하면서
저 스스로 동기부여를 받았으며, 다양한 고민과
시각을 배울 수 있어서 너무 좋았습니다.

2

Team Senior
오수진

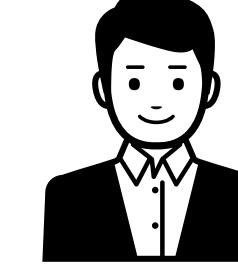


" 많은 사람들과 함께하는
좋은 경험이였습니다."

처음에는 시간이 너무 넉넉하게 느껴졌지만, 전
처리를 하면 할 수록 코딩에는 많은 정성과 시간
을 쏟아야 한다는 것을 느꼈습니다. 옆에서 응원
해주는 팀원이 있어서 재밌고, 많이 배웠습니다!

3

Team Junior
정동환



" 좋은 팀원들을 만나서
더 보람된 시간이였습니다."

데이터 탐색과 전처리가 얼마나 중요한지 깨닫
게 됐습니다. 피처를 잘 활용하는 것 하나로 결
과값이 변한다는 걸 느꼈습니다. 팀원들 다들 수
고 많았습니다~

Thank You!

Sparta

Choi Jungin
Oh Sujin
Jung Donghwan

Well Done Everybody! We Did Great Jobs Till Now!