



Knowledge • 3,900 teams

Titanic: Machine Learning from Disaster

Fri 28 Sep 2012

Sat 31 Dec 2016 (12 months to go)

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Forum (446 topics)

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Predict survival on the Titanic using Excel, Python, R & Random Forests

See [best practice code](#) and [explore visualizations of the Titanic dataset on Kaggle Scripts](#). Submit directly to the competition, no data download or local environment needed!

The sinking of the RMS Titanic is one of the most infamous shipwrecks in history. On April 15, 1912, during her maiden voyage, the Titanic sank after colliding with an iceberg, killing 1502 out of 2224 passengers and crew. This sensational tragedy shocked the international community and led to better safety regulations for ships.

One of the reasons that the shipwreck led to such loss of life was that there were not enough lifeboats for the passengers and crew. Although there was some element of luck involved in surviving the sinking, some groups of people were more likely to survive than others, such as women, children, and the upper-class.

In this challenge, we ask you to complete the analysis of what sorts of people were likely to survive. In particular, we ask you to apply the tools of machine learning to predict which passengers survived the tragedy.

TITANIC sinking



This Kaggle "Getting Started" Competition provides an ideal starting place for people who may not have a lot of experience in data science and machine learning. The data is highly structured, and we provide tutorials of increasing complexity for using Excel, Python, pandas in Python, and a Random Forest in Python (see links in the sidebar). We

Handling categorical data with
sklearn.
3 days ago

Titanic: Getting Started With R -
Full Guide to 0.81340
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Titanic: Problem with "Getting
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11 days ago

Challenge and Interesting point:
GLM to model Titanic data using
Poisson rather Binomial
12 days ago

Titanic Simple Logit with
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also have links to tutorials using R instead. Please use the forums freely and as much as you like. There is no such thing as a stupid question; we guarantee someone else will be wondering the same thing!

New to machine learning?

We recommend getting started with this either of these free, interactive Titanic tutorials:

Want to model in R? Check out [this](#) tutorial by [DataCamp](#).

Prefer to learn Python? Get started with [this](#) tutorial by [Dataquest](#).

Started: 9:13 pm, Friday 28 September 2012 UTC

Ends: 11:59 pm, Saturday 31 December 2016 UTC (1,555 total days)

Points: this competition does not award [ranking points](#)

Tiers: this competition does not count towards [tiers](#)