



Integer Sequence Learning

1, 2, 3, 4, 5, 7?!

286 teams · a year ago

[Overview](#)[Data](#)[Kernels](#)[Discussion](#)[Leaderboard](#)[Rules](#)[Late Submission](#)

Overview

Description

7. You read that correctly. That's the start to a real integer sequence, the [powers of primes](#). Want something easier? How about the next number in 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55? If you answered 89, you may enjoy this challenge. Your computer may find it considerably less enjoyable.

Evaluation

The [On-Line Encyclopedia of Integer Sequences](#) is a 50+ year effort by mathematicians the world over to catalog sequences of integers. If it has a pattern, it's probably in the OEIS, and probably described with amazing detail. This competition challenges you create a machine learning algorithm capable of guessing the next number in an integer sequence. While this sounds like pattern recognition in its most basic form, a quick look at the data will convince you this is anything but basic!

Acknowledgments

Kaggle is hosting this competition for the data science community to use for fun and education. We thank the OEIS and its contributors for cataloging this data.

Leaderboard



- 1 Lafan
- 2 Paulo Pinto
- 3 Janos
- 4 Zderev Igor
- 5 b10r

Kernels



[Recurrence relation](#)

39 votes · a year ago

[Real Machine Learning](#)

24 votes · a year ago

[Predict OEIS with Markov C...](#)

19 votes · a year ago

50 discussion topics



[Sequence learning](#)

2 replies · 4 months ago

[LSTM Integer Sequence Te...](#)

3 replies · 4 months ago

[Please do not cheat](#)

4 replies · 6 months ago

11/24/2017

Integer Sequence Learning | Kaggle

 nickgu

7 GuyBlanc

8 ThallesDomician

Exploring sequences

19 votes · a year ago

Prefixes lookup (0.22)

15 votes · a year ago

What is the practical use of ...

2 replies · 8 months ago

Recurrent networks for seq...

2 replies · 9 months ago

Launch
a year ago

Close
a year ago

286 **310**
Teams Competitors

Points **This competition did not award standard [ranking points](#)**

Tiers **This competition did not count towards [tiers](#)**

Tags

[tabular](#)

[numbers](#)

[mathematics](#)

[categorizationaccuracy](#)

[extra small](#)

© 2017 Kaggle Inc

[Our Team](#) [Terms](#) [Privacy](#) [Contact/Support](#)

