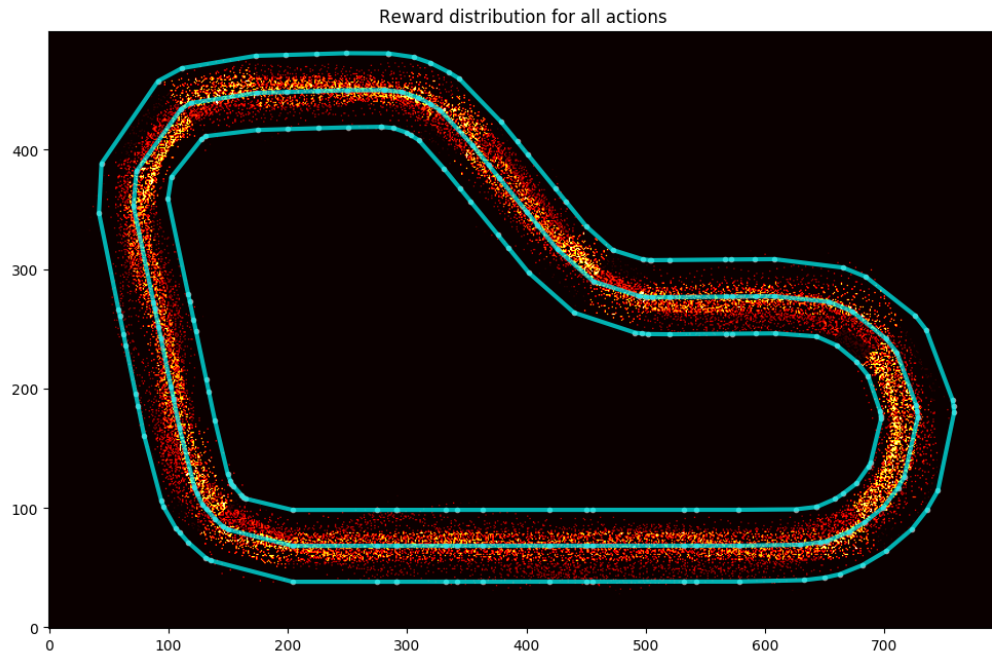


## Using Jupyter Notebook for analysing DeepRacer's logs

Training a model for DeepRacer involves getting a lot of data and then while you can ignore it, you can also analyze it and use for your own benefit. ...

*7 months ago, comments: 0, votes: 18, reward: \$0.11*

Training a model for DeepRacer involves getting a lot of data and then while you can ignore it, you can also analyze it and use for your own benefit.



You can spend an hour watching the stream as your car trains and observing its behaviour (and I've done it myself before), but you might not have the time to do this. Also, you might blink, you know? Finally, if your car is fast, like really fast, it could do all 5 evaluation laps in one minute. First you wait 4-7 minutes for the evaluation to start, then you see it take 4-7 minutes to stop. Video? Sorry, you've missed it.

Yeah, I'm stretching this a bit too far. Having data you can plot, compile, transform and replay over and over again will always be a handy solution. That's why I love what guys at Amazon have shared in [the DeepRacer workshop repository \(link takes you to GitHub\)](#).

## Log analysis

*While we're here, I hope you'll like this post. Once you're done reading, I'd like to recommend reading about what I have come up with based on this tool in "[Analyzing the AWS DeepRacer logs my way](#)" - it might help you and give a couple ideas for your own modifications.*

The tools provided include a couple functions to help working with the data, track data, a Jupyter notebook that leads you through the analysis and some sample data.

It lets you assemble aggregated information about your car's performance, plot its behaviour on the track, plot reward values depending on the car's location during evaluation, plot the route during the evaluation (including the virtual race evaluation), analyse the behaviour depending on the visual input, detect which pieces of image matter to the car the most.

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