Google

#GeoForGood19

Awesome Web Data Visualizations

with Google Maps Platform and deck.gl

Alex Muramoto

Before We Begin

1. **Google Cloud account**
   https://console.cloud.google.com
2. **Node.js**
   https://nodejs.org
3. **Starter code**
   https://goo.gle/g4g-deck-starter
4. **npm install**

Who am I?

Alex Muramoto

Developer Advocate, Geo

@alexmuramoto

Agenda

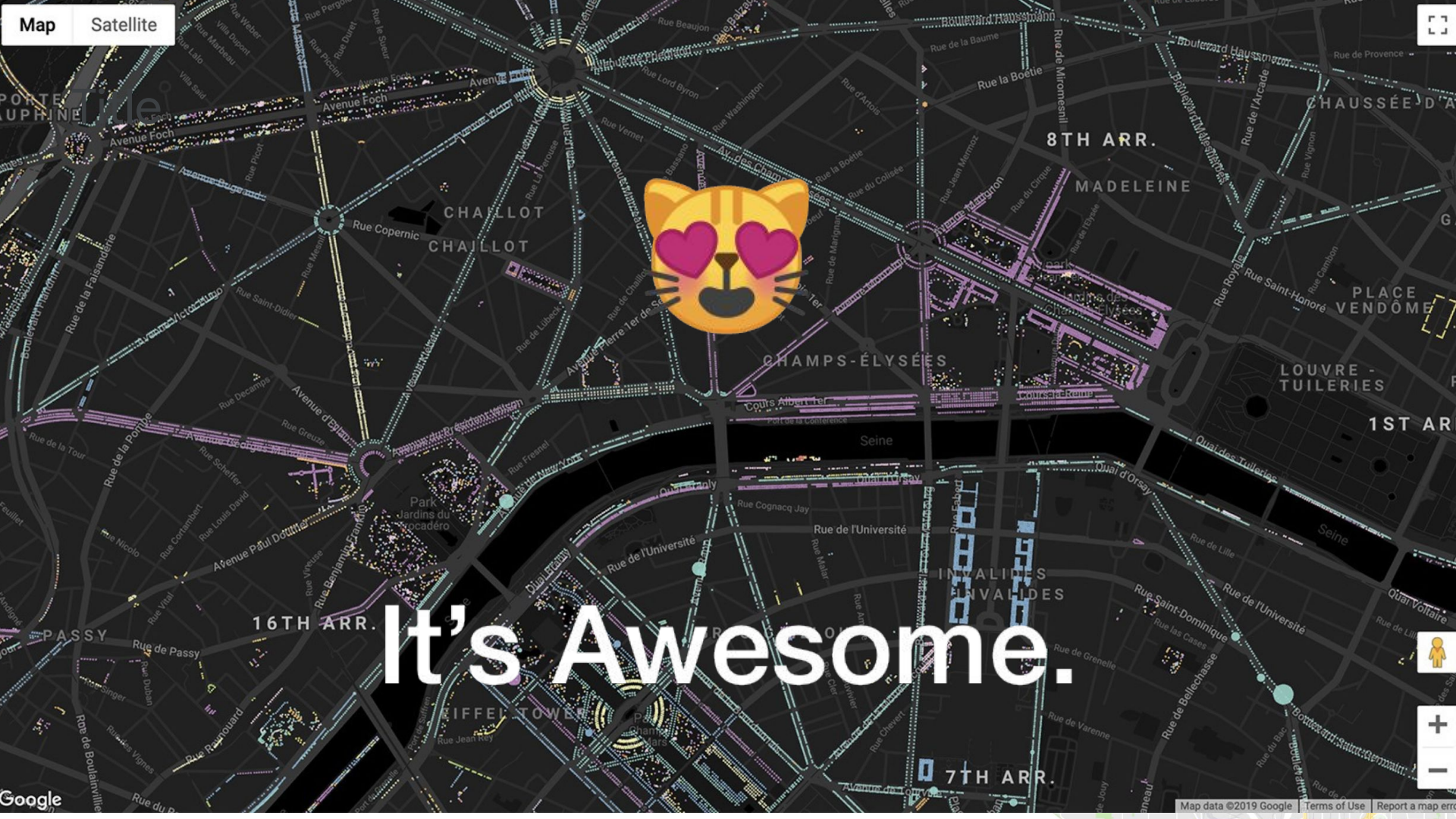
- What is deck.gl?
- Why deck.gl?
- How does it work?
- Code!

What is deck.gl?

- WebGL-powered data viz framework
- Layer-based visualization rendering
- Primarily built for geo and mapping
- Google Maps JS API initial support now available!

Why deck.gl?

- Really, really… really large datasets
- Beautiful visualizations out of the box
- Automatic handling of animations, resizing, etc.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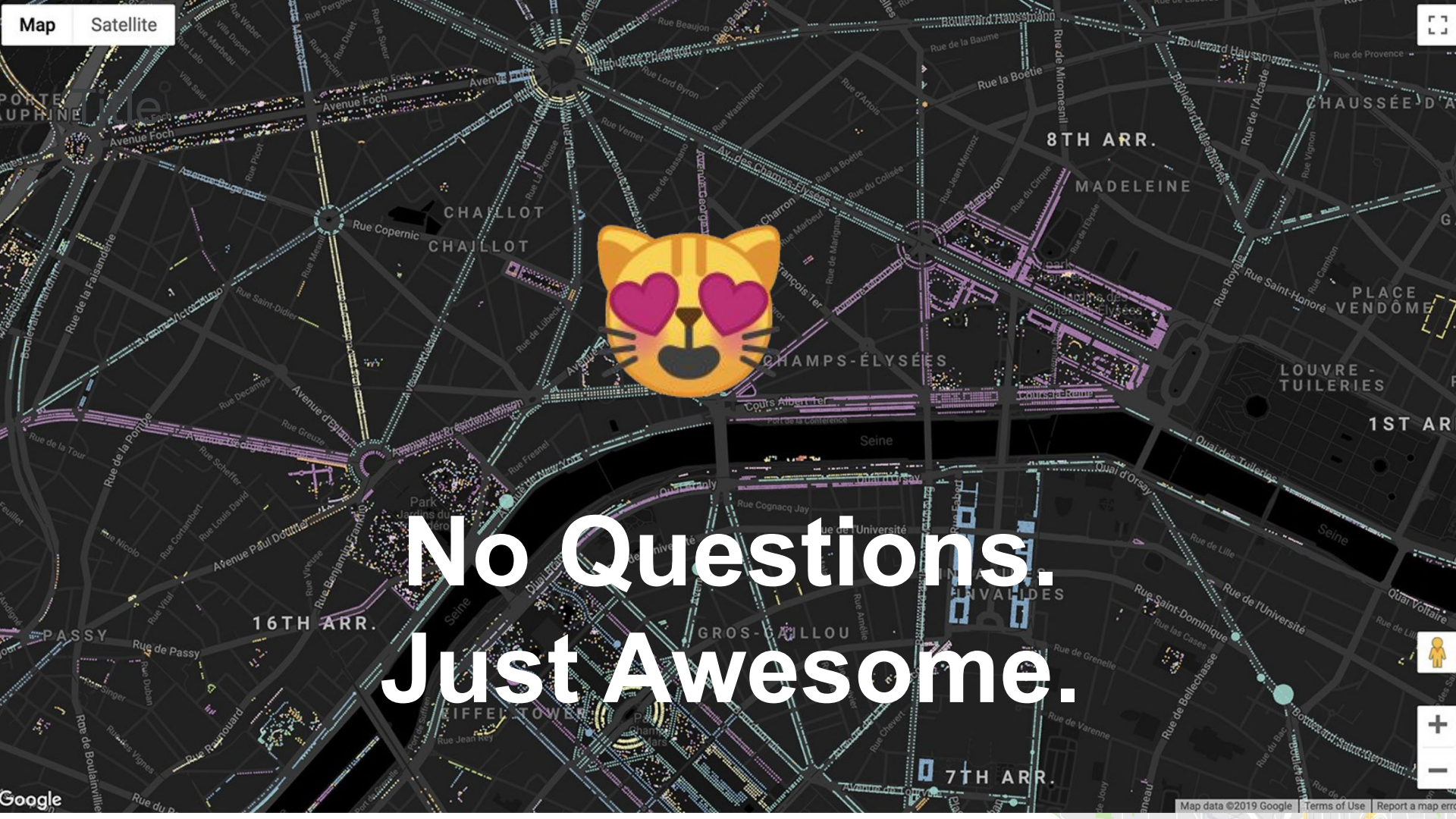
PASSY
7TH ARR.
It's Awesome.
Google
Map data ©2019 Google
Terms of Use
Report a map err

How Does it Work?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7TH ARR.
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No Questions.
Just Awesome.
Google
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How Does it Work?

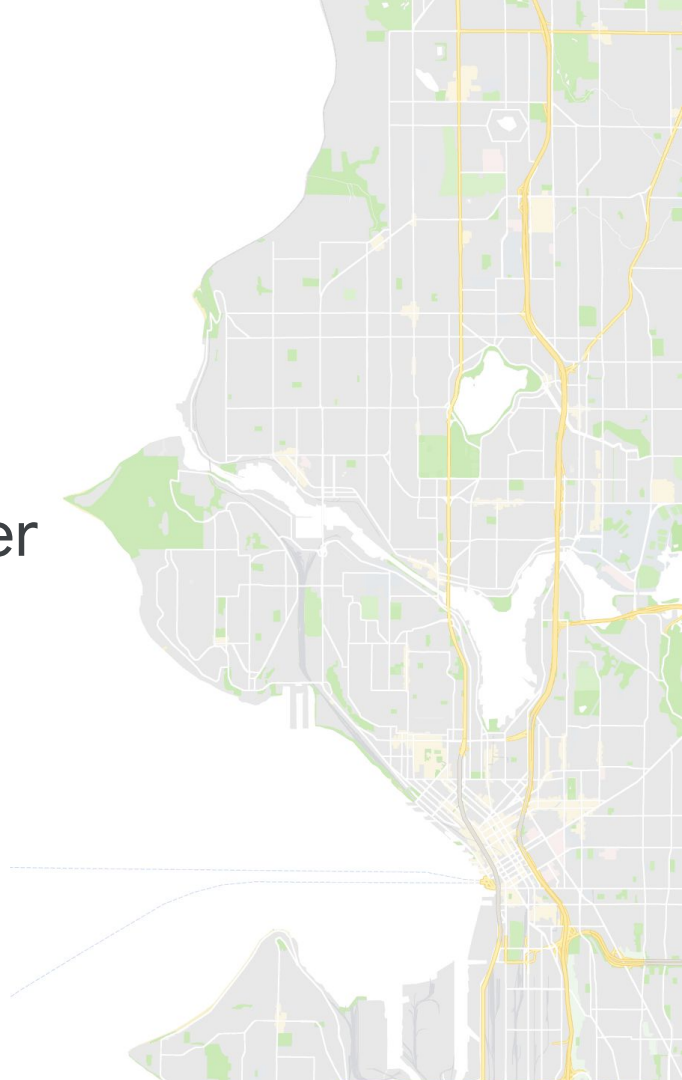
- WebGL
- Canvas API
- Maps JavaScript API OverlayView
- Reactive programming model
- Custom layers

What can deck.gl do?

goo.gle/deckgl-demos

Let’s Code!

goo.gle/g4g-deck-starter



Let’s Code!

goo.gle/g4g-snippet

Documentation

- goo.gle/gmp-docs
- goo.gle/deckgl-docs
- goo.gle/deckgl-blog

Examples and Code

- goo.gle/deckgl-demos
- goo.gle/deckgl-demos-src