

# What we've learned by delivering bootcamps

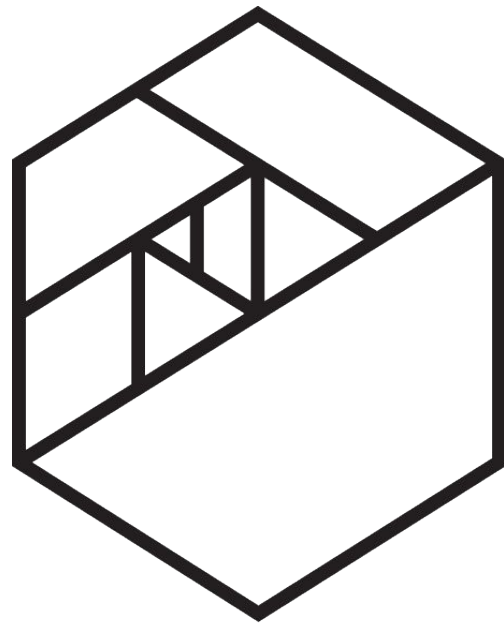
...

Z. W. Miller - 09/29/17



# The Bootcamp Model

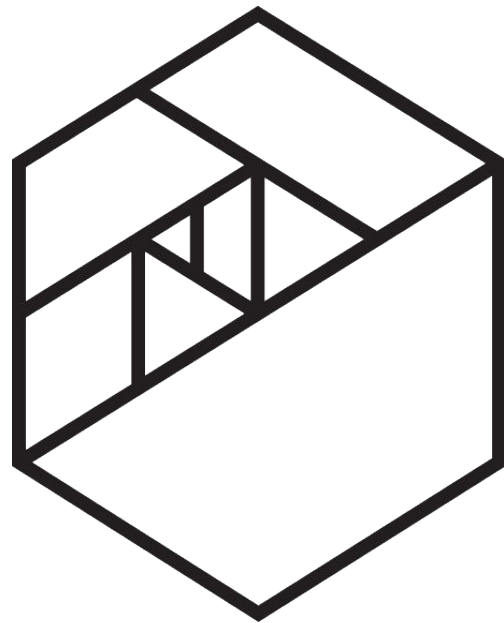
- Data science and machine learning educators



**METIS**

# The Bootcamp Model

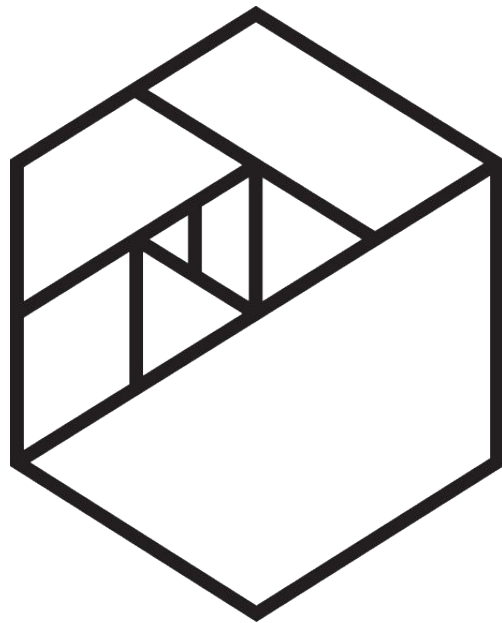
- Data science and machine learning educators
- 12 week intensive course.  
2 Instructors, 25 students.



**METIS**

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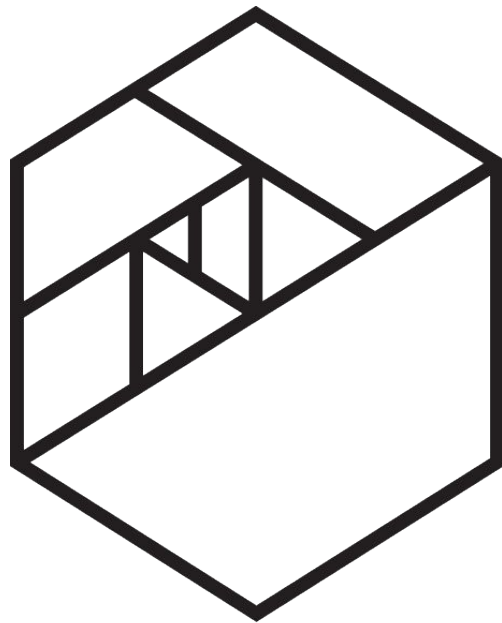
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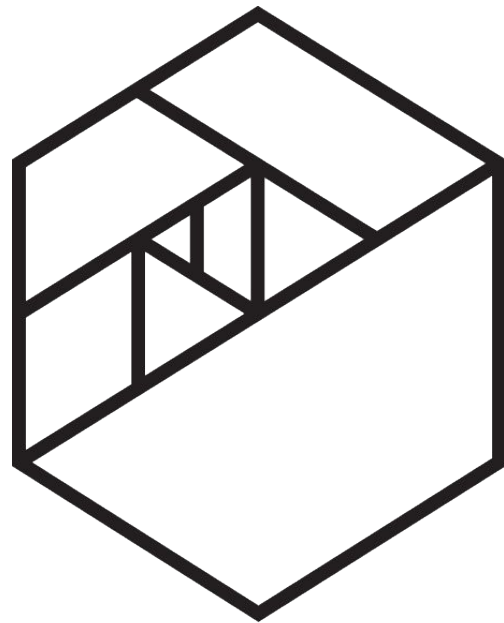
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- ... but 20-80 mph



**METIS**

# The Bootcamp Model

- Data science and machine learning educators
- 12 week intensive course.  
2 Instructors, 25 students.
- Not quite 0-60 mph...
- ... but 20-80 mph
- **Practical**, but deep-enough, approach.



**METIS**

**We tend to see two “genres”  
of student.**

**Career  
Changers**

**STEM Grads**

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- Teach concepts, then help the students build something useful.
- Don't give them only canned datasets... they won't be ready.
- Build out multiple projects - data science is a learn by doing field.
- Make use of their deep subject matter expertise.

So how does this  
tie into DSSSG?

**The bootcamp model takes individuals with unique passions and equips them with data science skills to make change happen in the fields they know.**

This is what I know about the field of law...



**LAW &  
ORDER**

The image features the words "LAW &" on the top line and "ORDER" on the bottom line. "LAW &" is rendered in a light blue, glowing serif font with a dark blue outline. "ORDER" is rendered in a bright red, glowing serif font with a dark red outline. Both lines of text are set against a solid black rectangular background, which is itself centered on a dark gray gradient background.

**In order to use data to make a change in the justice system, I'd have to spend the next few years learning the justice system. Or...**



# Jannie Chang

Background: Lawyer

Data scientist with Chicago startup,  
Heretik, working on bringing data science  
to the law space.



<https://www.linkedin.com/in/janniechang/>

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Metis Final Project:  
Ruth Bader Gins-BOT: Reading and  
generating Legal Documents with  
Natural Language Processing



# What I know about International Development...



Hand + Globe = Logo

# Emily Miller

Background: International Development

Data scientist with the Gates Foundation  
working on Agricultural Development.



<https://www.linkedin.com/in/emily-miller/>

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## Metis Final Project: Targeting Disaster Relief from Space



**We also build a community we can  
mobilize: Mexico City Earthquake**





Derrumbes, albergues, ...



Leer descripción completa:

Para colaborar, escribe a @JannTM en  
Twitter

3,822,188 views

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¿Qué se necesita y dónde?



26/9 (4:00am) Necesitamos herramient...

26/9 (2:22am) Necesitamos víveres en ...

25/9 (13:31hrs) URGE Familias a la inte...

25/9 (13:18hrs) Voluntarios, lonas y vehf...

... 173 more



Centros de acopio



Hospitales gratuitos



Albergues (24/9)



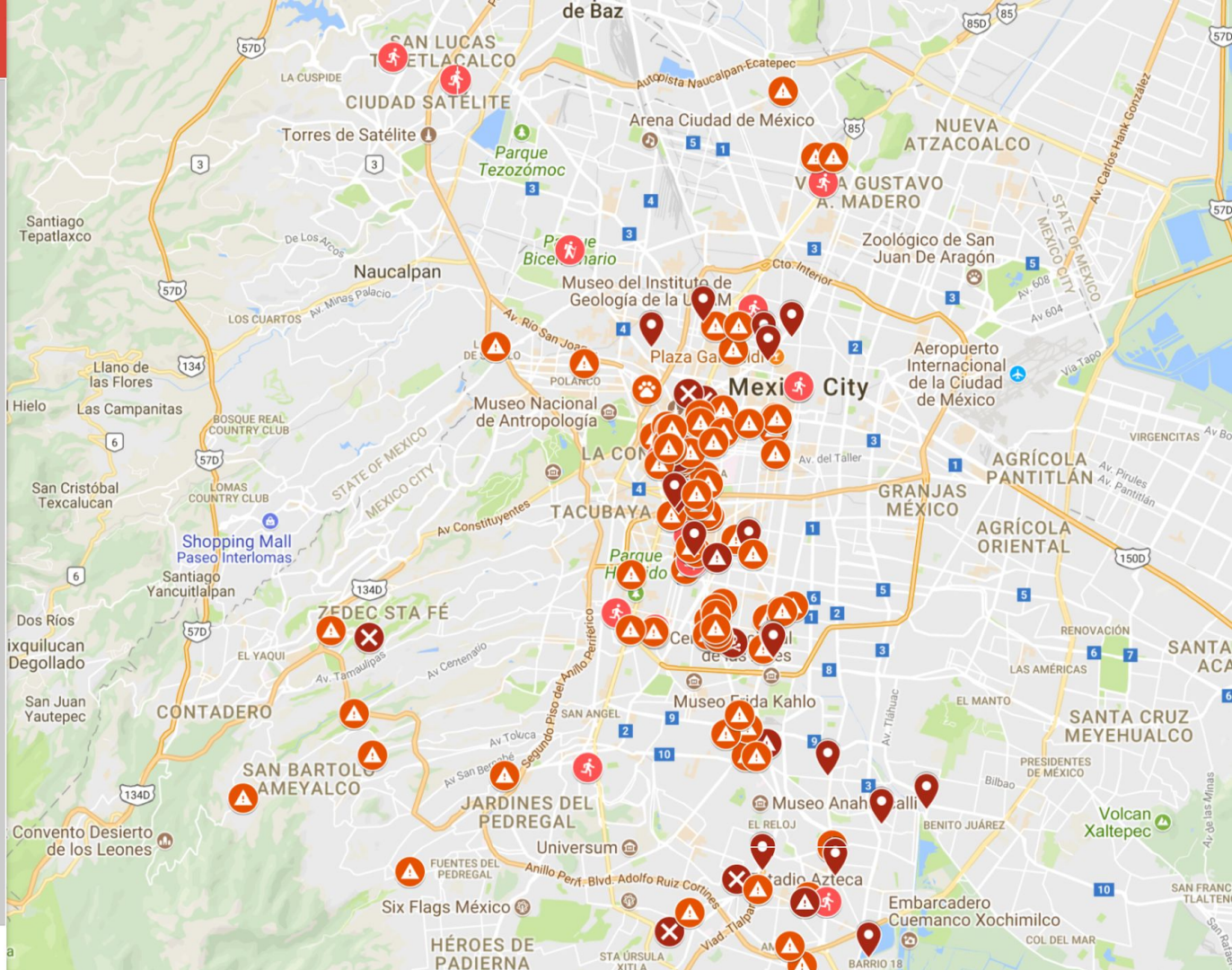
Falsos reportes



Morelos - Cruz Roja (% de afectación)



Asesorías gratuitas



# Thanks for your attention!

<https://www.linkedin.com/in/zachariah-miller/>

