

# **DATA SCIENCE**

## **CLASS 1: COURSE INTRO & OVERVIEW**

Rob Hall

DAT SF 19 // November 30, 2015

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## **TODAY'S AGENDA**

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1. Course producer introduction
2. Instructor introduction
3. Student introductions
4. Course overview
5. Lecture: Introduction to Data Science
6. Exercises

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# **WELCOME**

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**Instructor:** Rob Hall (robhall.ga+dat19@gmail.com)

**TAs:**

Justin Breucop

Devin Brady

**Course Producer:** Vanessa Ohta

**Course Times:** 6:30pm–9:30pm, Mondays & Wednesdays (225 Bush St, 3rd Floor, Classroom 1)

**Office Hours:** to be set during first week of course

**Class Dates:** November 30, 2015 – March 2, 2016

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## A LITTLE ABOUT ME

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Products with substantial machine learning and data science components that I have helped build:

- Search marketing
- Web search
- News search & related products
- Social media / Q&A
- Energy usage prediction & control system for energy storage
- Analytics for DevOps



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## LET'S HEAR FROM YOU

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### Introductions

- Your name
- A brief summary of your background (e.g. work, school, etc.)
- What you hope to get out of the class
- One interesting / surprising / random factoid about yourself

# **COURSE OVERVIEW**

**I. INSTRUCTOR PHILOSOPHY**

**II. CONTENT PHILOSOPHY**

**III. HOW TO SUCCEED**

**IV. TYPICAL CLASS**

**V. LOGISTICS**

- Embrace diversity
- Seek an optimal pace
- Communicate early and often
- Success is not a grade



- Application-based approach
- Balance depth with breadth
- Modified based on experience
- Course project

- Effort not prior knowledge
- Ask questions
- Help your classmates
- Be patient with yourself

- “Data Science in the News” (depending on time available)
- Discussion of pre-work for that class
- Lecture
- Lab / code walk-throughs
- In-class exercises
- Homework assigned

**CONGRATULATIONS...**

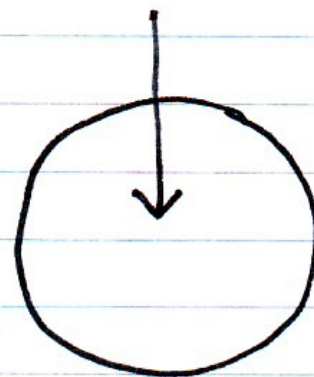
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**...for getting out of your comfort zone!**

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your comfort  
zone

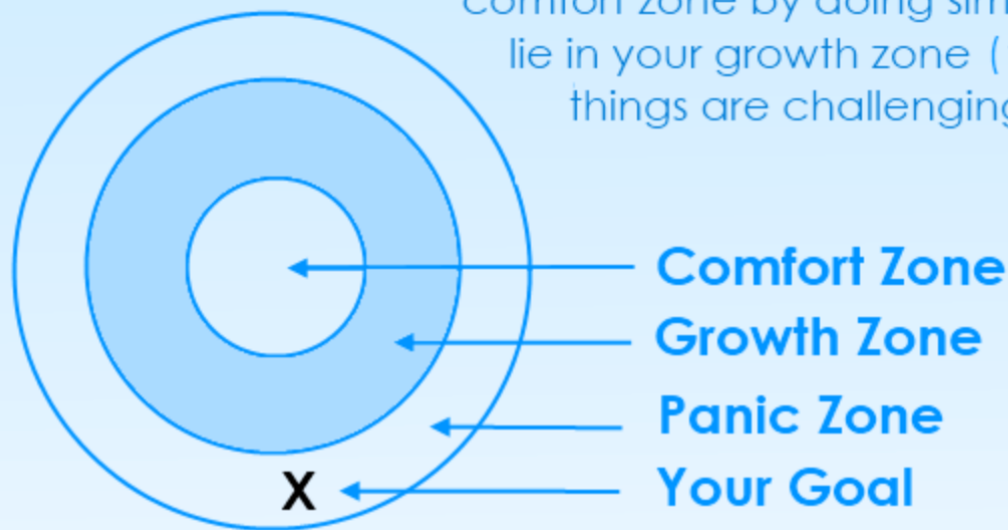


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## How to Grow Your Comfort Zone

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Any goal or challenge may fall into one of three zones - your comfort zone, growth zone, or panic zone. If your goal is currently in your panic zone, i.e. it would be too scary to do now, you will need to grow your comfort zone by doing similar challenges that lie in your growth zone (the zone in which things are challenging or scary, but do-able).



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## How to Grow Your Comfort Zone

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As you pursue challenges in your growth zone, those challenges become easier and your comfort zone expands.

Eventually, challenges that were previously in your panic zone begin to fall into your growth zone, and ultimately within your comfort zone.

