

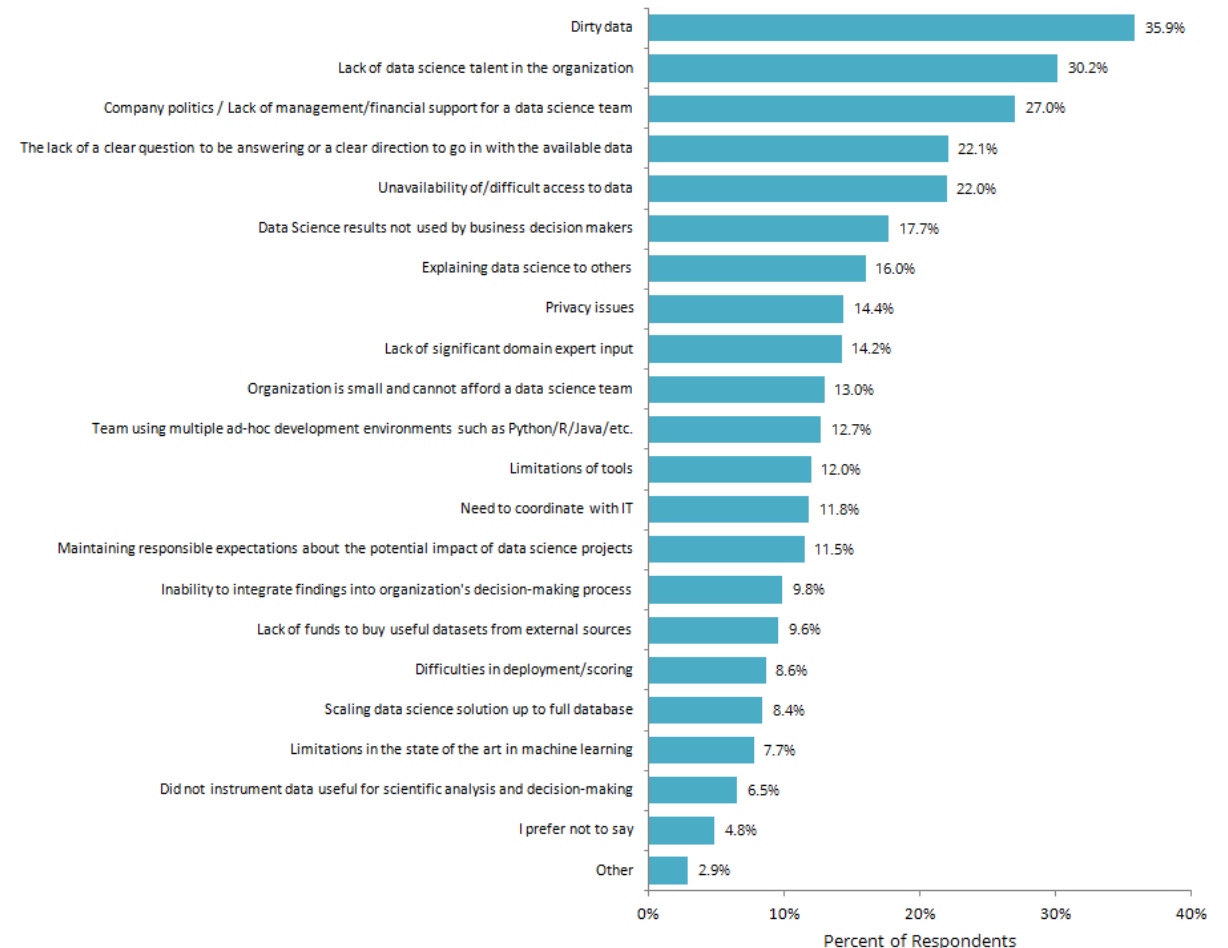


# Growing Data Science

# Challenges

- 1 - Data (unclean, privacy, buying data..)
- 2 - Management (lack of DS, financing)
- 3 - Link with business (lack of clear question, not used by decision makers...)
- 4 - Tools (limitations...)

## Challenges that Data Professionals have Faced in the Past Year



Data are from the Kaggle 2017 The State of Data Science and Machine Learning study. You can learn more about the study and download the data here: <https://www.kaggle.com/surveys/2017>. Respondents were asked, "At work, which barriers or challenges have you faced this past year? (Select all that apply)." A total of 10153 respondents were asked this questions.



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# Lessons learned

## 1. Managing your customers

- The Spice Girls approach: dive into the business need, and challenge it
- Maintaining responsible expectations

## 2. Managing your own work

- Imposter Syndrome very frequent due to the nature of the work
- What good is good enough: be your own PM

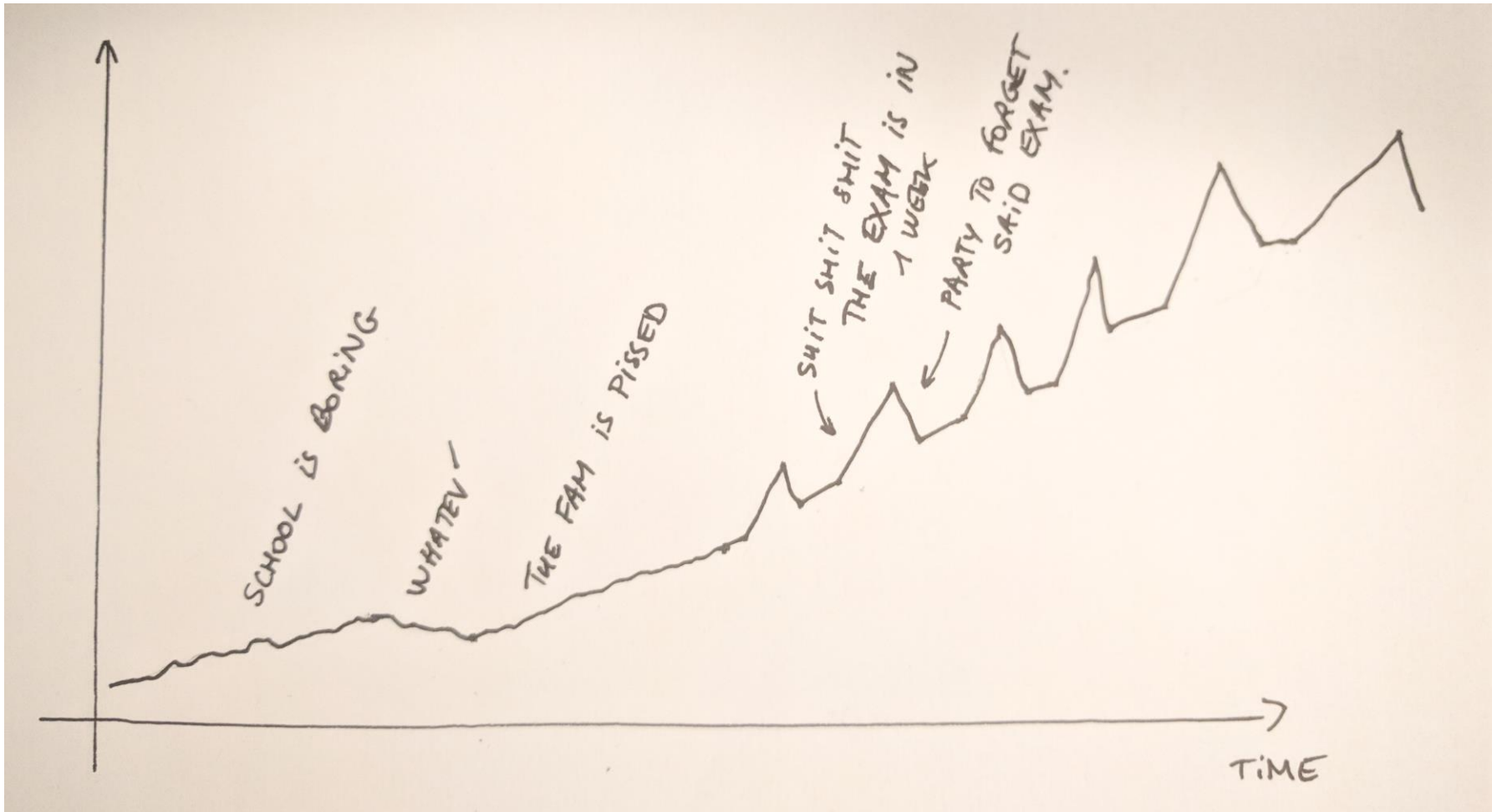
## 3. Managing a DS team: challenges around scaling data science

- Retention & learning
- Automation
- Productization



# The Data Science of Growing

## Learning strategy – early days and grad school



# Learning strategy – the entrepreneur phase

## Task 1

- ☒ ~~Identify alternatives approaches to do task 1~~
- ☒ ~~Learn how to do task 1 one way or another~~
- ☒ ~~Hack task 1~~
- ☐ Really hack task 1
- ☐ Write new tasks identified while doing task 1 in the backlog

## Task 2...

## Various

- ☐ Too many tasks: identify critical tasks for MVP

# Learning strategy – the technical IC / lead phase

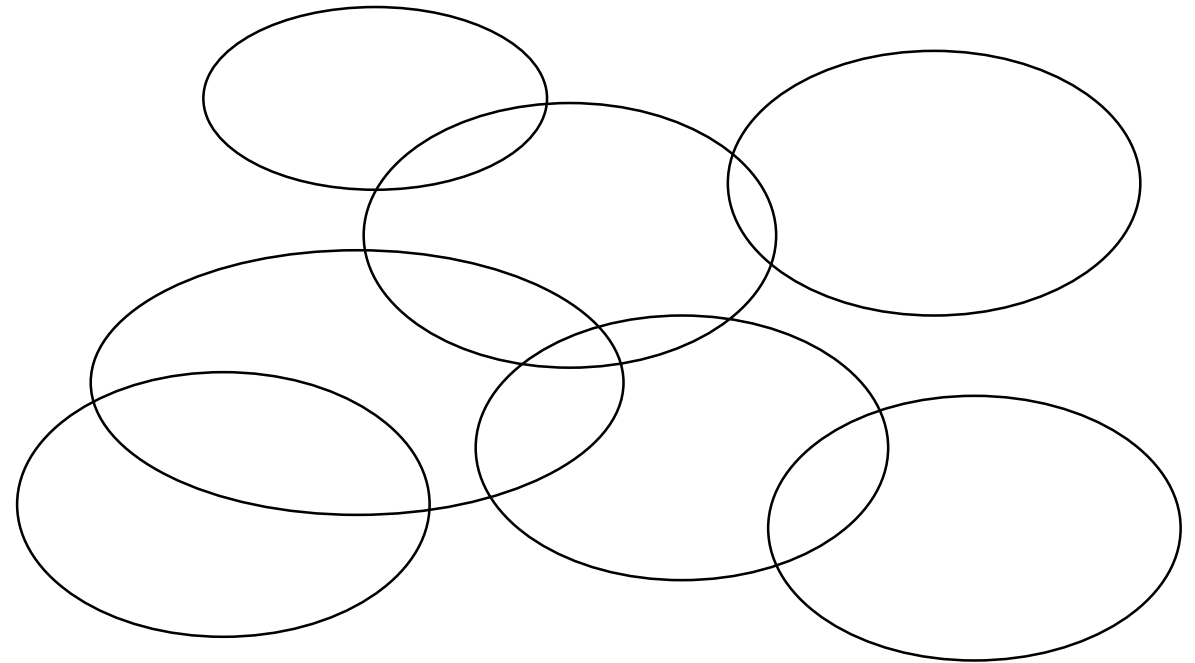
How do you learn?

How do you know what to learn to grow in your career?

How do you even know what kind of technical career you can have?

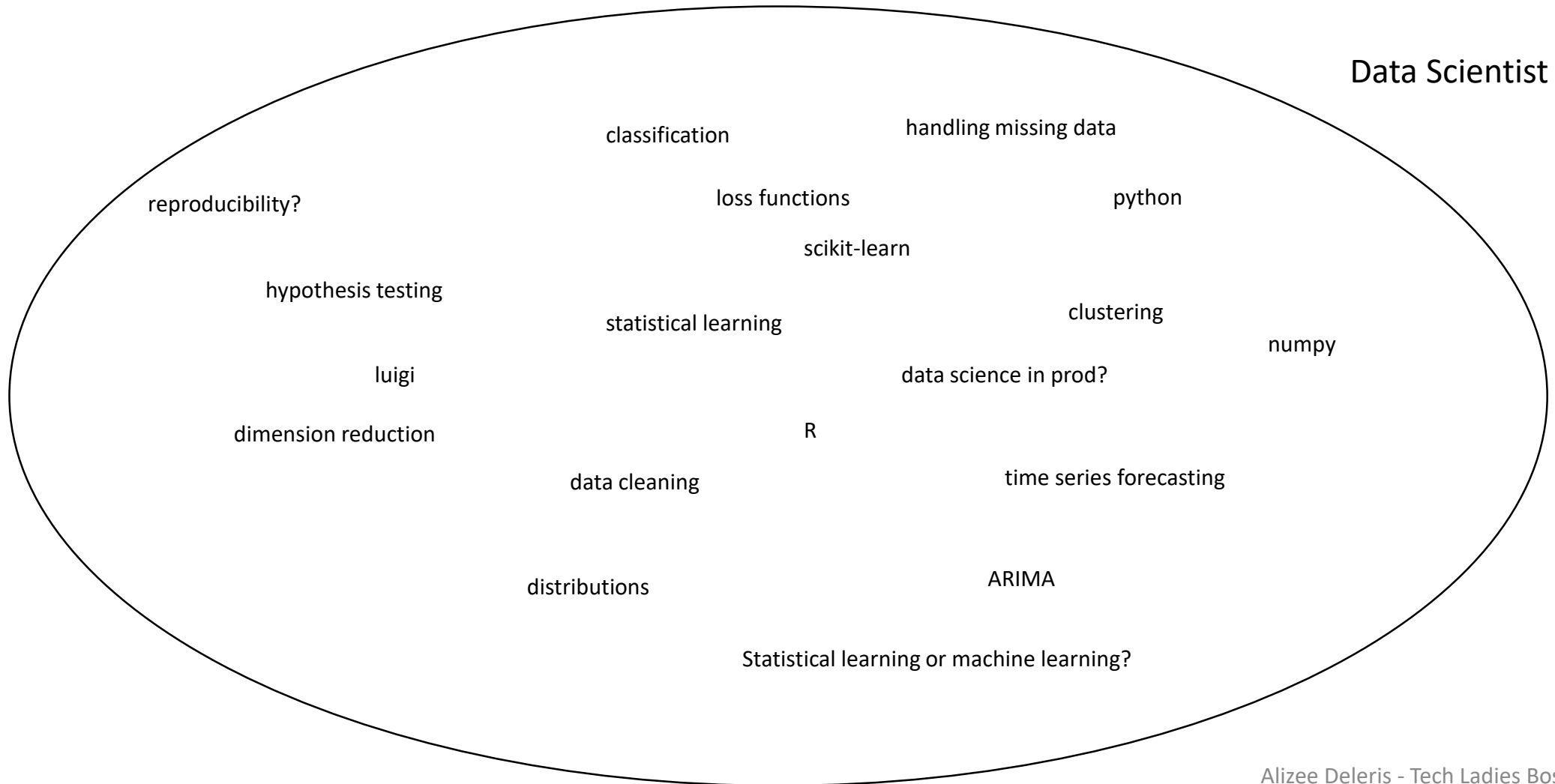
The clustering approach:

Map -> decide -> learn

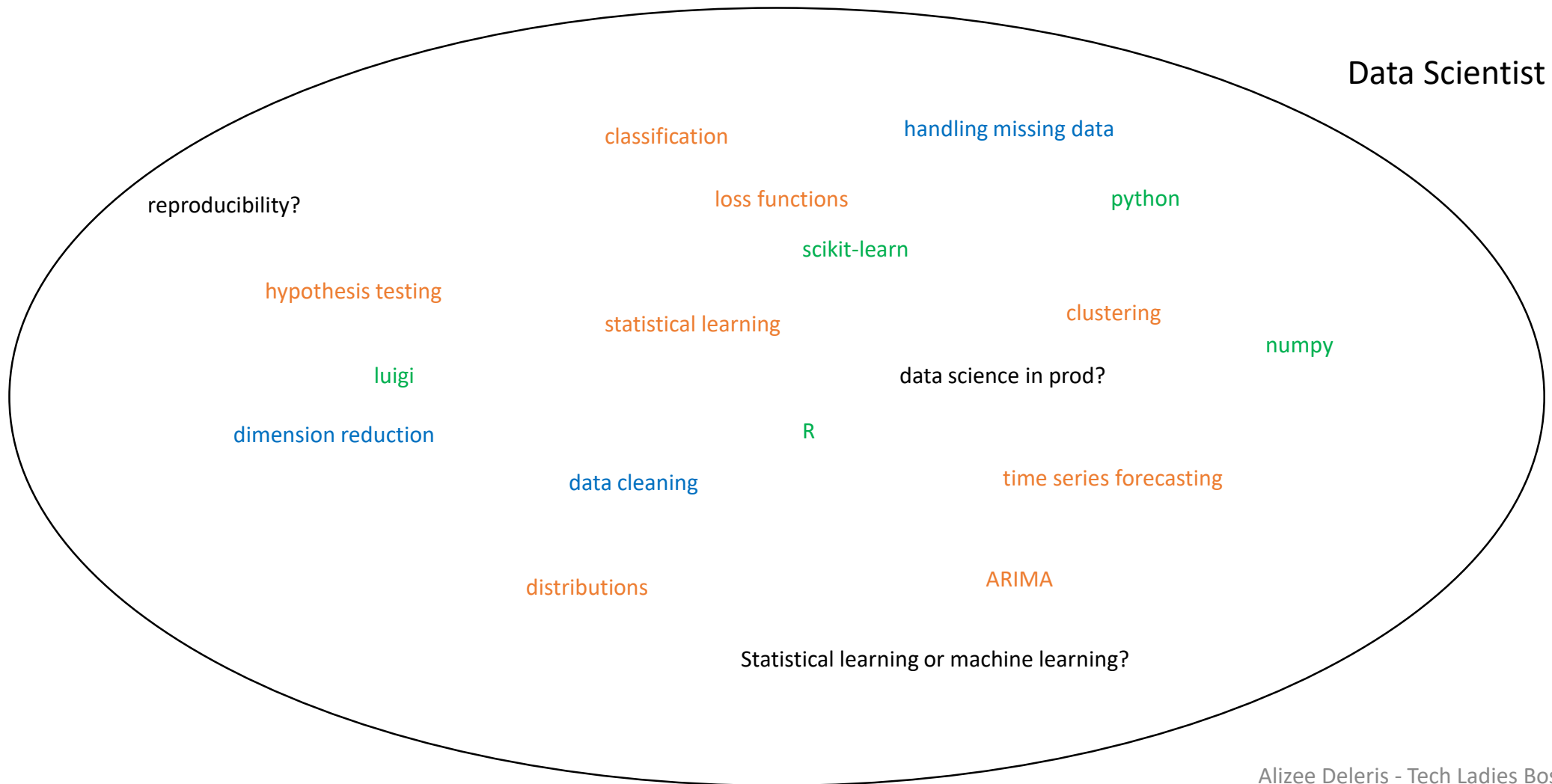




# Learning strategy – the technical IC / lead phase

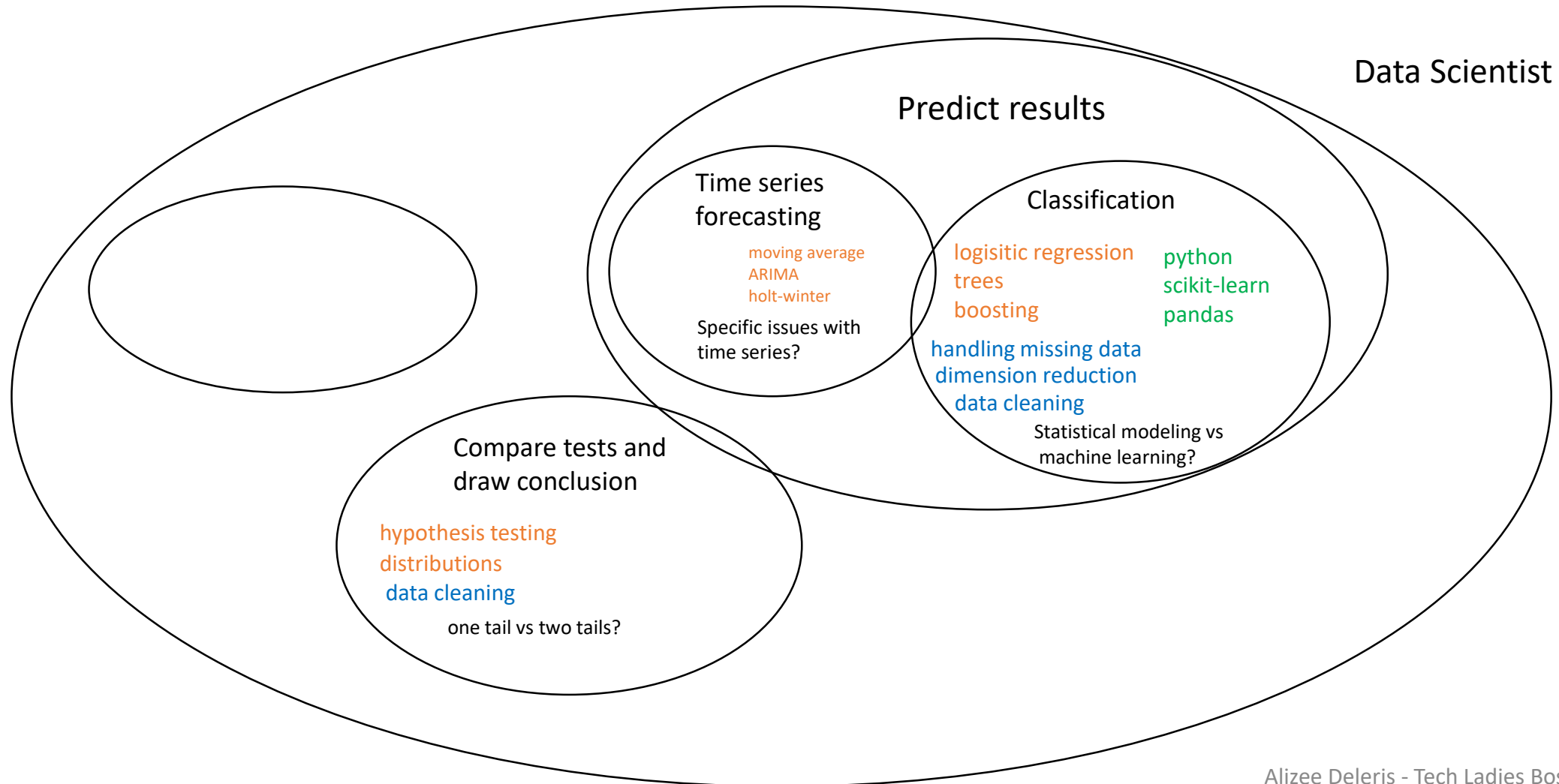


# Learning strategy – the technical IC / lead phase



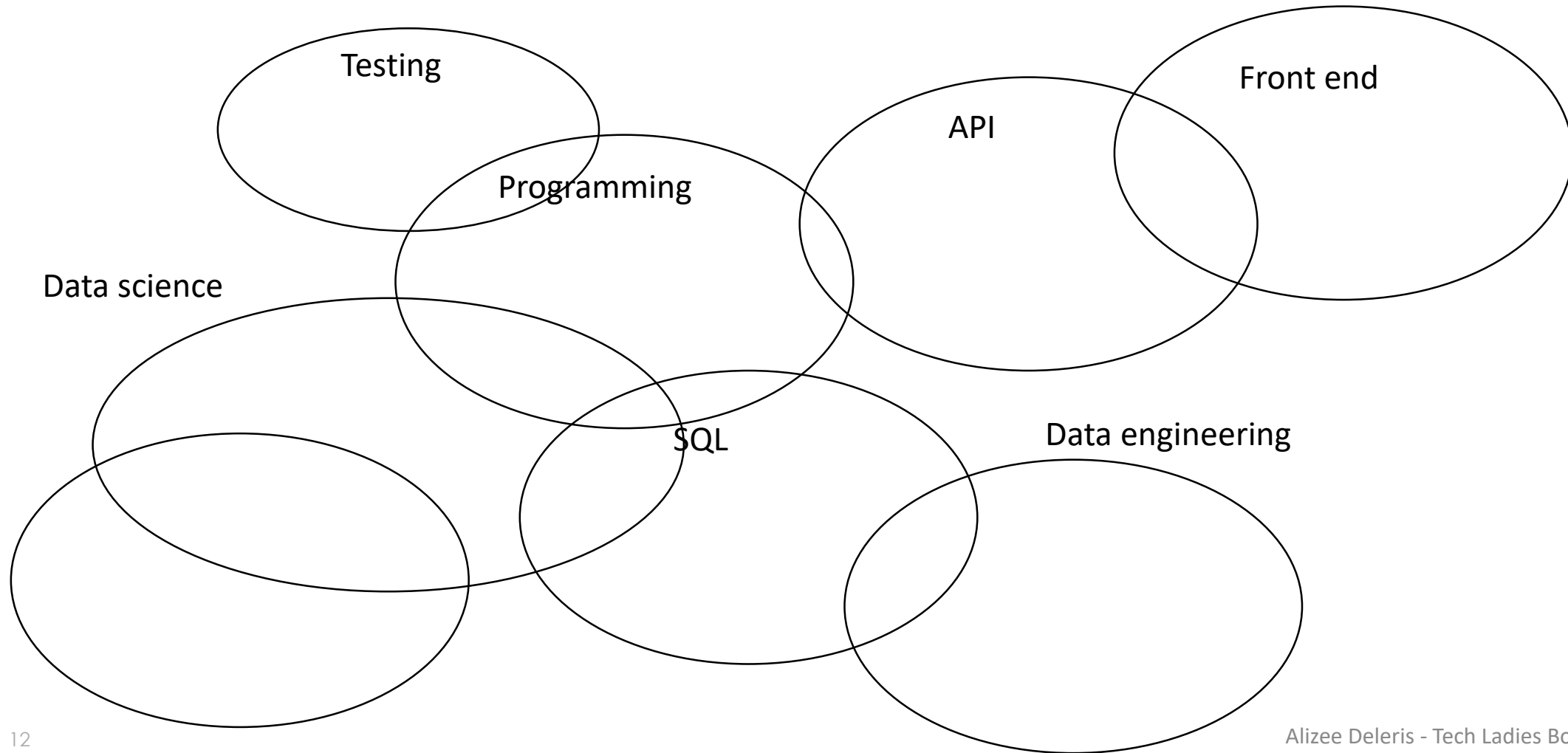
# Learning strategy – the technical IC / lead phase

How to build a strategy for learning? The clustering approach



# Learning strategy – the technical IC / lead phase

How to build a strategy for learning? The clustering approach





## Growing as a person





**“It is good to follow your own  
slope, so long as it is going up.”**

**– Andre Gide**



# Thank you!

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