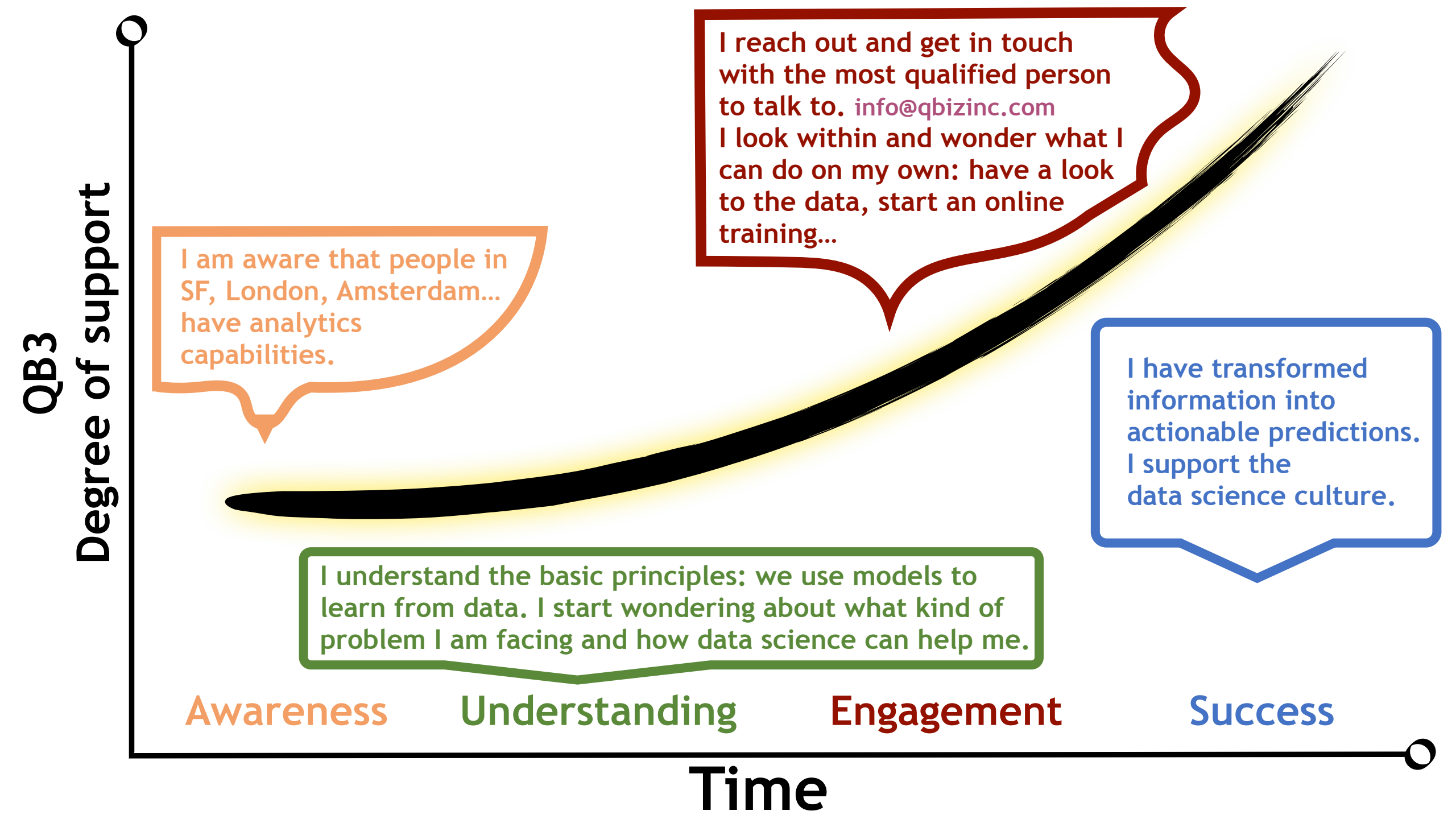

QB3
Degree of support
I am aware that people in SF, London, Amsterdam… have analytics capabilities.
I reach out and get in touch with the most qualified person to talk to. info@qbizinc.com
I look within and wonder what I can do on my own: have a look to the data, start an online training…
I have transformed information into actionable predictions. I support the data science culture.
I understand the basic principles: we use models to learn from data. I start wondering about what kind of problem I am facing and how data science can help me.
Awareness
Understanding
Engagement
Success
Time

QB3 Skills and knowledge organization

Mock Language

SELECT skill_name, skill_code FROM skill

Algebra	algebra
Bootsrap	bootsrap
⋮	⋮
Hidden Markov Model	hmm
z-test	ztest

FROM persons KNOWING hmm
SELECT person_name, office_name, project

Clement Riedel	QB3 SF	"Nanometric enzyme dynamics quantified using hmm" Presentation. Code.
⋮	⋮	⋮
Pipette	QB3 Amsterdam	"Energy consumption modeled using hmm"
Tintin	QB3 London	Null
⋮	⋮	⋮

DS1: Python, github and supervised learning

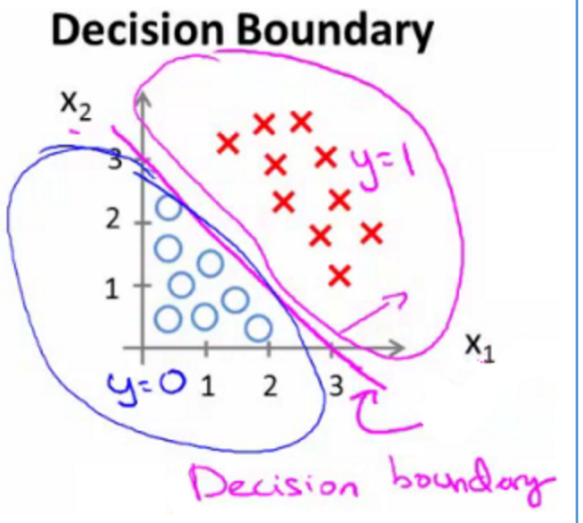
Python: If you have a mac you probably already have it!

Github: Use it to "save a folder" as you save a text document.
Collaborative working.

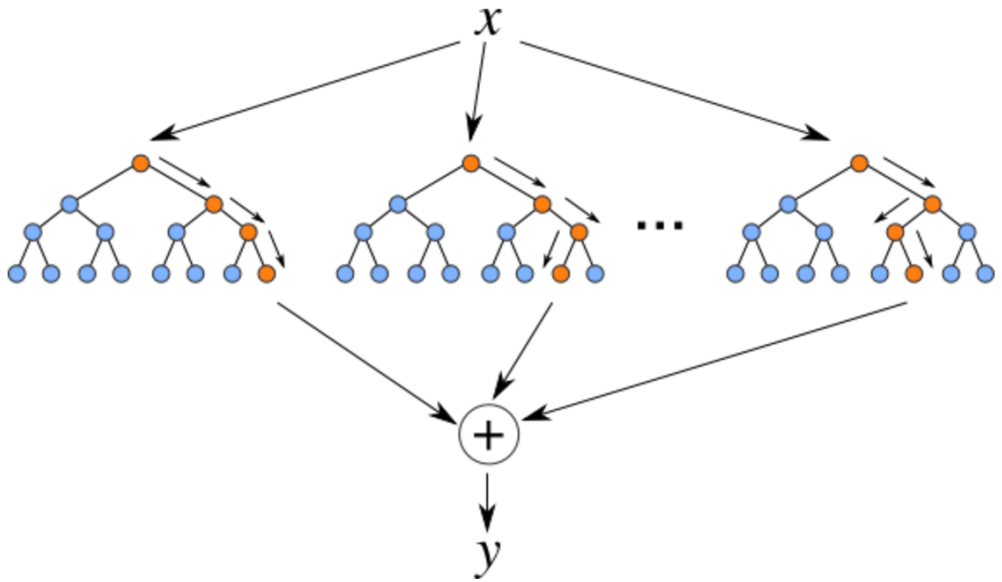
Objectives:
1. Learn to code in python from scratch
2. Git Push to save your code
   & Pull feedbacks from your instructors, peers.
3. Understand theoritically the models and be guided to code your own algorithm.

Supervised problem:
We know the “y”, we know the ground truth (e.g. predict the price of houses, the “y” is the price). We can train models. We test few of them, and choose “the best”. We obtain actionable predictions from data.

Logistic regression
Ng, Coursera ML.



Random forest



Gradient Boosting - Sklearn