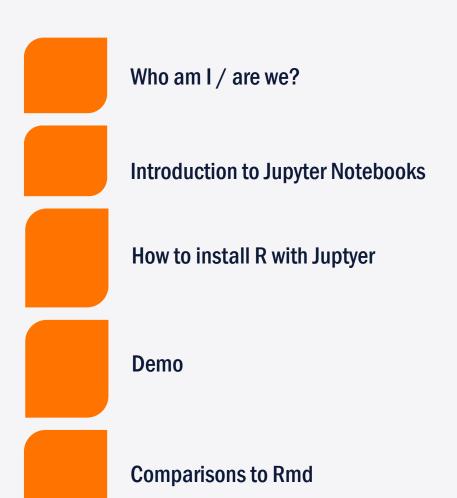


## What to expect?





**About me and Mango** 



### **About me**

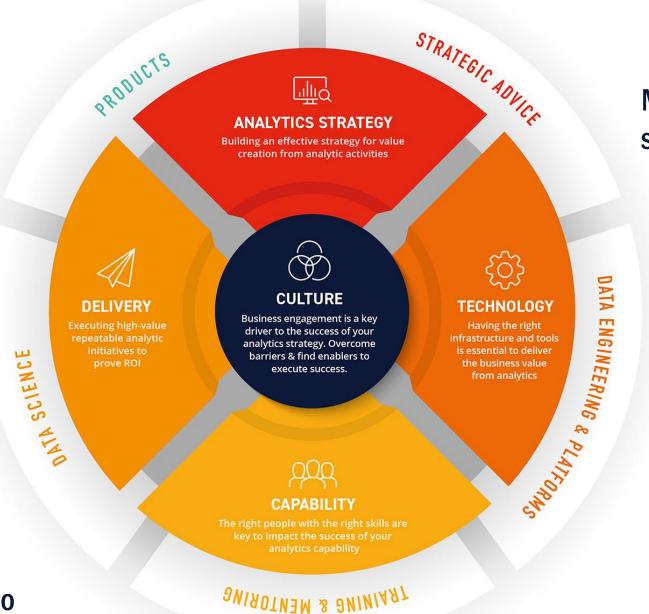




### **Mathematics (MMath) Cardiff University**



6 + years Python 4+ years R Intern at Mango (2016) 2+ years Data Scientist at Mango **About Mango** 





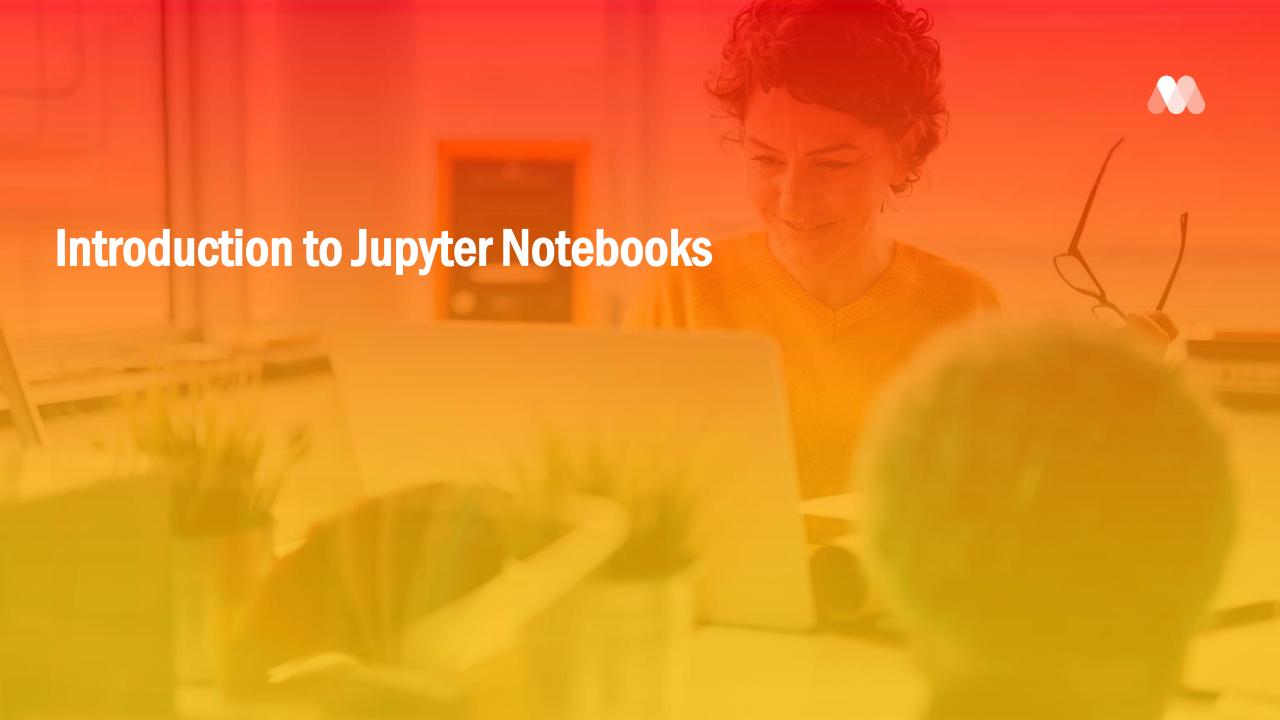
Mango's products and services are aligned to data-driven transformation

**INNER WHEEL:** 

**Data-driven pillars** 

**OUTER WHEEL:** 

Supported by Mango's product and services portfolio

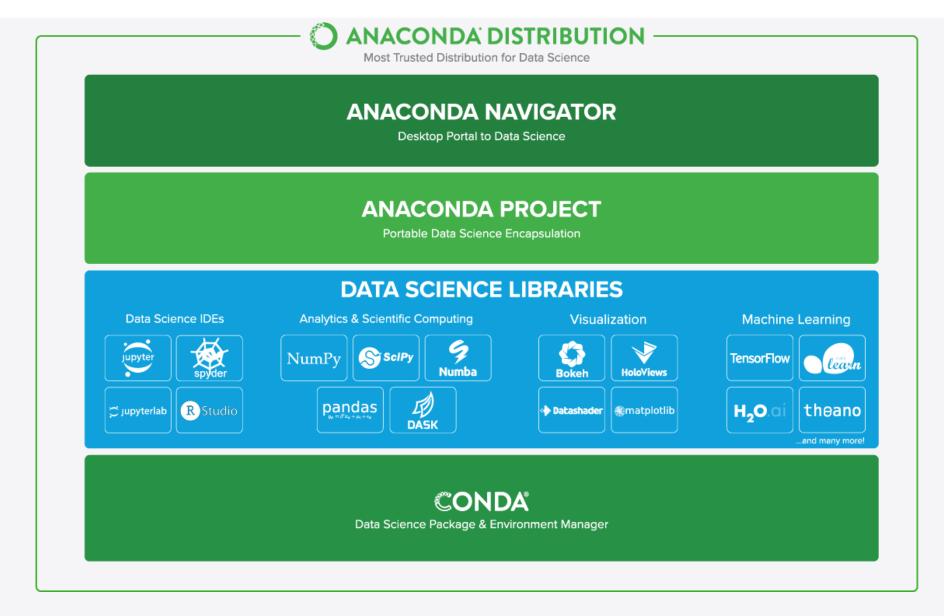


### **Jupyter Notebooks**

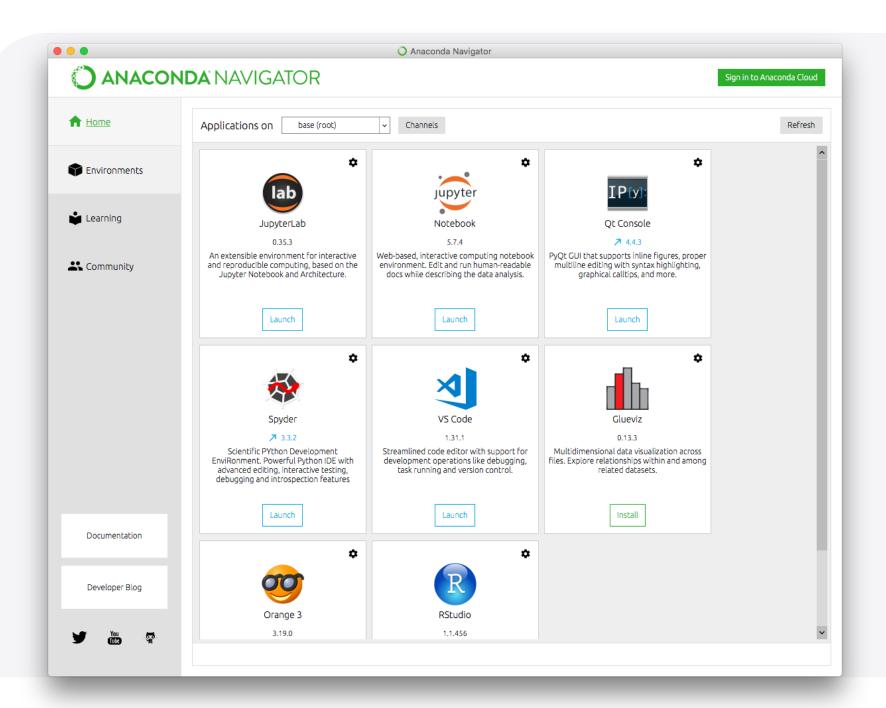


- IDE for Julia Python R
- Ideal for
  - Beginners learning new language
  - Exploratory data analysis (EDA)
  - Communication of analysis

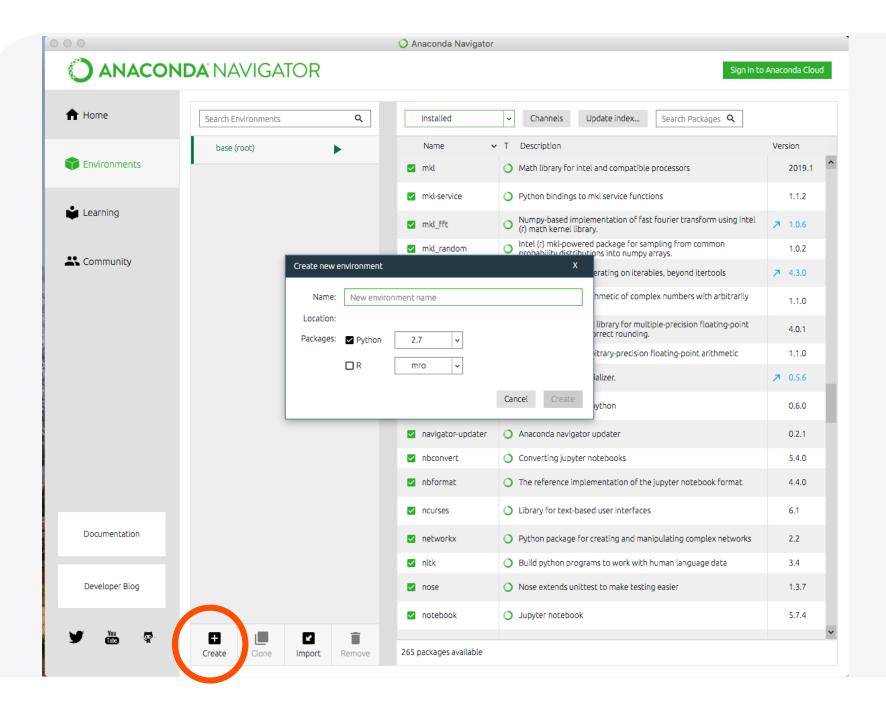




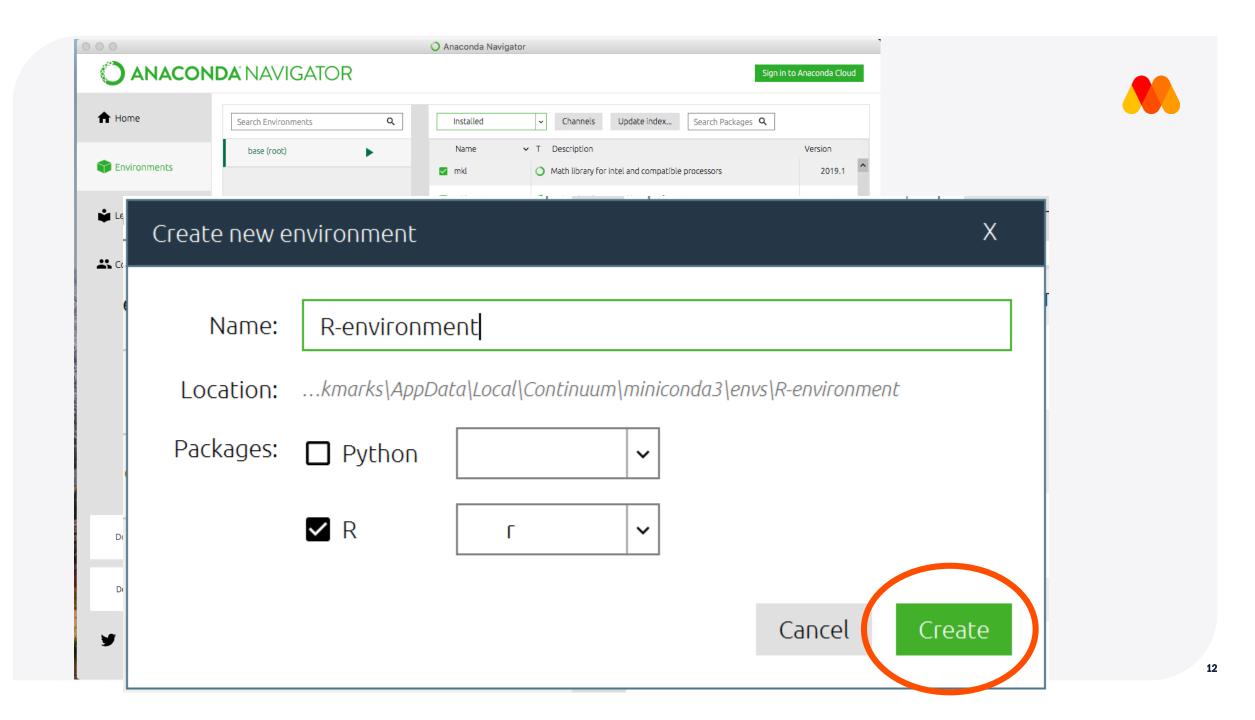








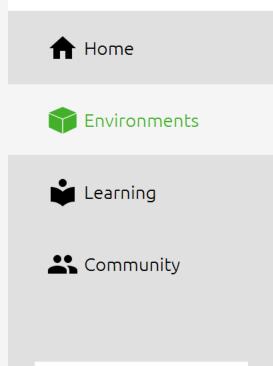


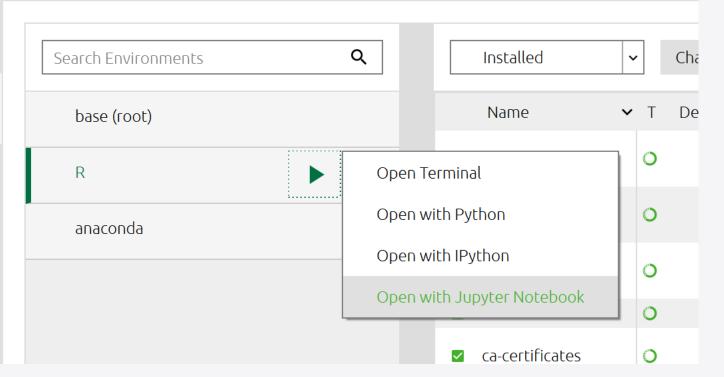






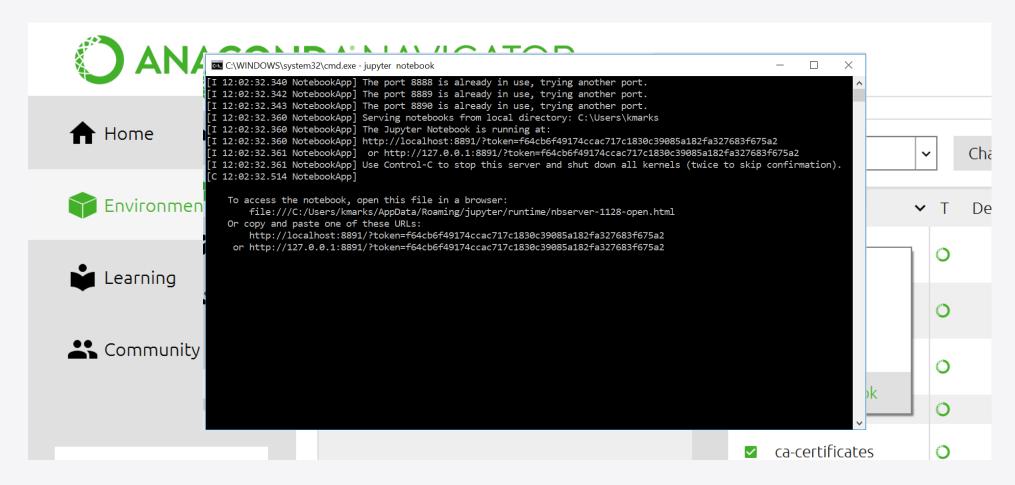






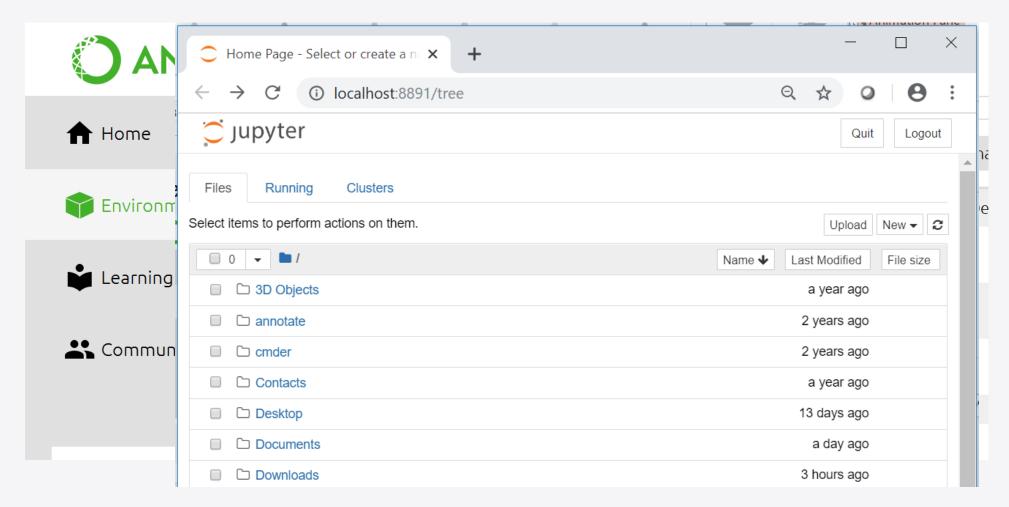


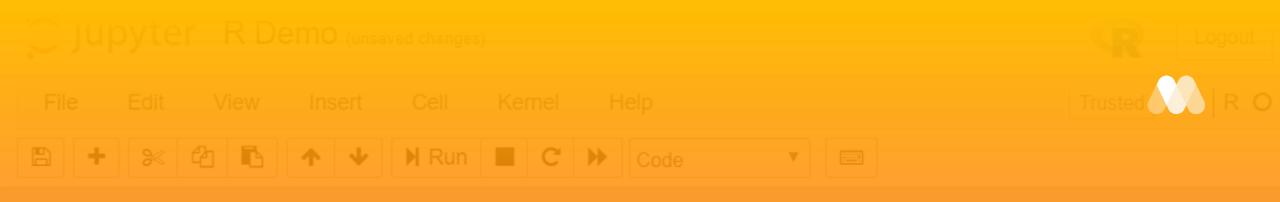
### **Opening Jupyter Notebooks**





## **Opening Jupyter Notebooks**





# Demo using Jupyter Notebooks with R Hello World

```
In [1]: print("Hello World")
        [1] "Hello World"

In [3]: library(ggplot2)
        ggplot() + geom_point(aes(x = mpg, y = wt), data = mtcars)
```



	Export as:				Can contain:										
	html	pdf	MS Word	R script	Markdown text	Images/Plots	R code	Python Code	Hidden Code	Hidden Output	Autofill / code suggestions	Spell Checker	Compatible with with with Git	Render within GitHub/Labels	Preview output
Jupyter Notebooks	<b>√</b>	<b>√</b>	?	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	?	?	<b>√</b>	<b>√</b>
RMarkdown	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	X	?

? - Can be done but not easily

## Why use Jupyter Notebooks?



- Stepping stone into Python
- Simple to use
- Introduces you to Conda environments
- Cells
  - Easy manipulation
  - Shortcuts
  - Tags
- Help develop R support

# **Questions?**





We **empower organisations** to make **informed decisions**, using advanced **analytics** and **AI/ML** techniques to meet their objectives and deliver **data-driven value**. We do this through our unique combination of people, values and strategic priorities.



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