



Graduation Certificate

Ironhack France, 226 Boulevard Voltaire 75011 Paris, SIRET 82951312600039
Numéro déclaration d'activité 11755870875

Certifies that

Sandrine Henry

has successfully completed the
Data Analytics Bootcamp June 2019 Paris

<ACQUIRED SKILLS>

- Essential Technical & Data Analysis Skills: Command Line, Git, Python, MySQL, statistical analysis, Pandas, Jupyter Notebook
- Advanced Python: Regular Expression; Functional Programming; Lambda, Map, Reduce, and Filter; Error Handling; OOP; Parallelization
- ETL Pipeline - Extract, Transform, Load; APIs and RSS Feeds; Web Scraping
- Exploratory and Storytelling DataViz with Seaborn, Matplotlib, Plotly, Cufflinks, IPyWidgets...
- Inferential Statistics in Python: Hypothesis Testing, Calculating Odds, Bayesian Statistics, Principal Component Analysis...
- Business Intelligence with Tableau
- Supervised & Unsupervised Machine Learning: Feature Extraction and Engineering, Model Evaluation, Pipelines...
- Applied Data Analysis & Machine Learning: Recommender Systems, Survival Analysis, Time Series Analysis, Network Analysis, Text Mining, NLP...

Karim FADLALLAH
General Manager | Paris



Gonzalo MANRIQUE
Co-Founder | Ironhack