## Lydia BESSAI

### DATA SCIENTIST

## LANGUAGES

FRENCH

ENGLISH

## INTERESTS

Dance (Salsa, bellydance)

Motorcycle

Writing scientific articles

## CONTACT ME

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➤ www.thebrainsfactory.com

# EDUCATION & WORK EXPERIENCE

**Since Oct 2021: IBM, IDF**
Scientist
- Development of MVPs for IBM's privileged clients (telecommunications sectors, consulting - NLP specialization and signal processing)

**Nov 2018 – Sept 2021 : IBMi, IDF**
Data Analyst/Scientist
- RWE Health project –prediction of drug side effects/ severity of COVID patient : extraction from medical database and data science
- Signal processing project – creation of a decision tool for newborns with asphyxia: EEG analysis and machine learning modeling
- Marketing project (user behavior analysis): extraction from database, data analysis
- NLP project: polarity of customer reviews
- Other: creativity workshop animation, gamification, neuroscience lecture and writing

**4 months  2018: Tilak Healthcare, Paris**
Neuroscience research analyst
Neuroscience watch (autism, Alzheimer, opioid addictions) for the creation of a new therapeutical video game

**6 months 2017: Ubisoft, Montreuil**
Internship: UX Designer
Creation of protocol and technical team support for prototyping (blockchain, e-sport, augmented reality)  & User eXp

**2016-2017: Berkeley, Polytechnique, Paris-Saclay**
Master's Degree in Entrepreneurship and Technological Innovation
*Start-up project: combine neuroscience and virtual reality*
*Science experiments with EEG headsets*

**6 months 2016: ICM, Paris**
Internship: Creativity in neuroscience
Analysis of "creative" cerebral networks (neuroimaging software)

**2014 – 2016: UPMC, Paris**
Master's Degree in Behavioral and Cognitive Neuroscience
*Language, attention, memory, sensorial system, emotions, motor system, Statistics*

**2 months 2015: ICM, Paris**
Internship: Neurobiology
Immunostaining and fluorescent microscope

**2 months 2014: ENS, Paris**
Internship: Influence of emotions on gaze
Design and setting up of a cognitive experiment

## SKILLS

01/2021:
**IBM DATA SCIENCE PROFESSIONAL CERTIFICATE**
**PYTHON/SQL**

### RESEARCH
Scientific methodology
Writing
Neuroscience
Statistics

### COMPUTER
Analytics (ex: Amplitude)
Machine Learning
Data science (Data vis/Wrangling, Model Development/Evaluation)
Python, SQL, HTML, CSS notions in R

### USER
UX (needs, tests)
Entrepreneurship