

Fanny Rancourt

e-mail : fanny.rancourt@gmail.com

EDUCATION

UNIVERSITÉ DE SHERBROOKE

M.Sc. IN STATISTICS

Oct. 2019 | Sherbrooke

Thesis : On point estimation for mixture models. Available in french on Savoirs UdeS. Under supervision of Prof. Éric Marchand.
GPA : 4.12/4.3.

B.Sc. IN MATHEMATICS (STATISTICS OPTION)

Dec. 2016 | Sherbrooke

Coop program.

GPA : 3.98/4.3.

LINKS

Github :// [fannyrancourt](#)

LinkedIn :// [fannyrancourt](#)

COURSES

GRADUATE

Multidimensional Data Analysis

Survival Analysis

Mathematical Statistics

Decision Theory

Mathematical Programming

McGill Summer School in Health Statistics

UNDERGRAD

Data Mining

Sampling Theory

Time Series

Bayesian Statistics

ONLINE CERTIFICATION

Python for Data Science and Machine

Learning Bootcamp

The Ultimate MySQL Bootcamp

SKILLS

R • Python • MySQL • Microsoft Excel & Power Pivot

TOOLS

Scikit-learn • Pandas • Seaborn • Matplotlib

SCHOLARSHIP

2017-2018 Graduate scholarships (2), Institut des sciences mathématiques
2013 Admission scholarship, Université de Sherbrooke

EXPERIENCE

COMMISSION SCOLAIRE DE MONTRÉAL | DATA ANALYST

Oct. 2019 – present | Montreal

- Program evaluation & development of indicators.
- Data visualization & development of dashboards.
- Member of the Data governance task force.

UNIVERSITÉ DE SHERBROOKE | TEACHING ASSISTANT

Jan. 2017 – April 2019 | Sherbrooke

- Assisting during practical classes & marking papers.
- **Courses :** Linear Algebra (w2017, f2017, w2019), Applied Statistics (w2018), Applied Statistics for Management (s2018) & Statistics (f2018).

DEFENCE RESEARCH AND DEVELOPMENT CANADA |

RESEARCH INTERN

Sept. – Dec. 2015 & May – Aug 2016 | Valcartier

- Processing of hyperspectral data.
- Analysis of target detection algorithms.
- Preliminary research on deep learning applications.

UNIVERSITÉ DE SHERBROOKE | RESEARCH INTERN

Jan. – April 2015 | Sherbrooke

With Genetics of Glucose regulation in Gestation and Growth (Gen3G).

- Processing of methylation data.
- Preliminary analysis and manipulation of Excel database.

LABOUR CANADA | INTERN

May – Aug. 2014 | Montreal

- Human resources descriptive analysis.
- Processing of operational data.

PROJECTS

LOANS OF MONTREAL LIBRARIES Fall 2019 - present

Analysis produced with R. Data from Montreal's open data collection.

- Inference with linear regression.
- Upcoming : modeling of library visits with times series.

A CHARACTERIZATION OF AMERICAN COLLEGES Spring 2017

Produced as part of the Multidimensional Data Analysis course using R. Data from Opportunity Insights. Report in french available on the department of mathematics website.

- Inference with principal component analysis.
- Inference & predictions with linear discriminant analysis.

SOCIAL IMPLICATION

SCIENTIFIC VULGARIZATION

Member of the redaction comitee at CaMUS, 2018-2020

Statistics Introduction, "Les STATS, ça ÉPATE !", Nov. 2017

Workshop animation, «Les filles et les sciences», March 2017

STUDENT ASSOCIATIONS

Vice-president of socio-cultural activities et administration board member at RECSUS, Sep.-Dec. 2018

Administration board member at AGES, May 2015-Dec. 2016

Promotion president Aug. 2013-Dec. 2016