

NATALIE LePERA

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BIostatISTICS EXPERIENCE

Biostatistics Trainee (Part Time)

LumaBridge | Remote

Nov 2024 – Current

Part time role/flex hours in addition to Senior Clinical Trial Associate role (below). TLF

QC validation in R & SAS. SDTM dataset creation utilizing SAS. CDISC data standardization. SRC output review and QC.

Jr. Biostatistics Programmer (Part Time)

Clinlogix | Remote & Lower Gwynedd, PA

Apr 2021 – Jun 2021

Part time role held in addition to full time Clinical Project Assistant I role (below). Pre-publication validation of tables listings and figures (TLFs). SAS output validated using R programming.

PROJECTS & PRESENTATIONS

Unsupervised Learning Algorithm | https://rpubs.com/nlepera/sta551_hw04 & <https://nlepera.github.io/sta551/FINAL>

K means clustering, agglomerative hierarchical data clustering, principal component analysis, local outlier factor analysis

Predictive Modeling | https://rpubs.com/nlepera/sta551_hw03

Logistic predictive modeling, single-layer neural network model (perceptron) prediction, decision tree algorithms, ROC analysis, and bagging

Additional Projects & Presentations | https://rpubs.com/nlepera/projects_presentations

Includes but not limited to: modeling, cross validation, machine learning, data visualization, exploratory data analysis, Shiny/FlexDashboard, & Tableau projects

SKILLS & PROFICIENCIES

Programming languages: R, SAS, Python for statistics (ex: pandas, numpy, matplotlib, SciPy, NumPy, statsmodels), SQL, HTML, CSS

Data Processing Software/Applications: Quarto, Jupyter Notebook, RStudio, SAS On Demand, Base SAS 9.1, Excel, Power BI, SPSS, Tableau

EDUCATION

M.S. Applied Statistics, Data Science Concentration

West Chester University | West Chester, PA (Remote)

Jun 2026 (In Progress)

Current GPA: 3.71

Memberships: American Statistical Association (ASA), National Society of Leadership and Success (NSLS)

Courses: <https://rpubs.com/nlepera/courses>

B.S. Biology, Cellular & Molecular Neuroscience Concentration, Neuroscience Research Minor

Temple University | Philadelphia, PA

Dec 2019

Memberships: National Society of Collegiate Scholars (NSCS)

ADDITIONAL EMPLOYMENT EXPERIENCE

Senior Clinical Trial Associate

LumaBridge | Remote

Oct 2022 – Current

Clinical research focusing on early phase immuno-oncology and biotechnology research.

Senior Global Clinical Trial Associate

DOCS – FSP at Janssen | Remote

Jun 2021 – Oct 2022

Clinical research focused on rare disease neuroscience and pediatric rare disease research.

Clinical Project Assistant I

GSK | Remote & Lower Gwynedd, PA

Sep 2020 – Jun 2021

Clinical research focused on cardiology device research.
