

+ experience

Metis New York, NY

Data Scientist

July 2018 to Current

- * Data Munging, Outlier Analysis, Web Scraping, Data Extraction and Exploration
- * Multiple Linear Regression with Regularization: Ridge, Lasso, Elastic Net
- * Classification: Random Forest, Gradient Boosted Trees, Logistic Regression
- * Natural Language Processing: Tokenization, Lemmatization, Topic Modeling
- * Image Processing, Segmentation, and building Deep-Learning Neural Net Models

Baum Consulting, LLC Manchester, NH

Healthcare Statistics Consultant

Jan. 2012 to Current

- * Statistical Data Exploration and Analysis; Research and Quality Improvement
- * Machine Learning, Repeated-Measures/matched-pairs, Design of Experiments
- * Automation of Statistical Reports with output as Dashboards and Applications
- * Large Data Projects with Scripted Data Preparation & Web scraping
- * Ethical Conduct of Research and Scholarly Activity coursework completed
- * First Reviewer, Journal of Nursing Measurement

Lamprey Health Care Newmarket, NH

Quality Manager, Population Health Nurse Practitioner

Oct. 2015 to July 2018

- * Led agency QI program, development, and adoption of multiple, agency-wide initiatives
- * Developed, Directed new revenue-producing Chronic Care Management [CCM] program
- * Treated primary-care patients across the lifespan, in addition to CCM patients
- * Developed Population Health Program with Custom Integrated Analytics Platform
- * Managed \$225,000 budget; Analyzed Return on Investment new devices/programs
- * Supervisor of QI nurse; Preceptor of public health doctoral, masters nursing students
- * Member of 2 regional Integrated Data Network privacy & data evaluation teams

Minute Clinic, CVS Caremark Quincy, MA

Family Nurse Practitioner

July 2014 to June 2015

- * Independent Practitioner in busy, urban, retail-health setting
- * Achieved 110% expected production in first year of practice

HealthFirst Family Care Center Franklin, NH

Quality Improvement Manager

May 2012 to July 2013

- * Led development and adoption of multiple, agency-wide initiatives, in charge of QI
- * Promoted to senior management; Managed \$150,000 budget, 3 employees

Northern Arizona VA Medical Center Prescott, AZ

Acute Care Registered Nurse (Medical Unit)

Jan. 2011 to Jan. 2012

- * Member of Evidence-Based Practice Council and Research Journal Club

Centre LifeLink EMS State College, PA

Emergency Medical Technician

Sept. 2007 to Jan. 2009

- * EMT-Basic: provided 911 emergency medical care with Advanced Life Support
- * EMS Teaching Assistant: Trained EMT students at Northeastern & Penn State

+ education

University of New Hampshire

Master of Science Mathematics:

Statistics (3.8 gpa) 2018

University of New Hampshire

Post-Masters Certificate: Family

Nurse Practitioner 2013

Clinical Rotations: Mass General Hospital

Oncology, Pre-Anesthesia Testing

University of New Hampshire

Post-Baccalaureate Certificate:

Industrial Statistics 2012

University of New Hampshire

Master of Science Nursing: Quality

Improvement (CNL) 2010

Penn State University:

University Park

Bachelor of Arts: Russian 2008

+ skills

PYTHON	R	JMP	SAS
Pandas	Rstudio	JSL	SAS
NumPy	stats	DOE	Studio
SciPy	dplyr	MRO	GAM
Scikit	stringr	SPC	GLM
learn	MASS	Graph	Mixed
nlTK	glmnet	Builder	Splines
Spacy	splines	Queries	
Keras	survival	Journals	
Beautiful	kmsurv	Dashboards	
Soup	frailtypack	Applications	
Stats	ggplot2		
models	shiny		
SQL			
alchemy			

PYTHON	BIGDATA	DATABASES	OTHER
VISUALS	Spark	MongoDB	Git
Seaborn	AWS	PostgreSQL	Bash
Matplotlib	Ubuntu	MySQL	Docker
pyLDAvis			HTML
GraphViz			CSS
Folium			Tableau
Bokeh			
cv2			
pyDicom			
Jekyll			