

## + 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
- \* 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 program
- \* Developed Population Health Program with Custom Integrated Analytics Platform
- \* Managed \$225,000 budget; Analyzed Return on Investment new devices/programs
- \* Supervisor of QI RN; 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

Jan. 2011 to Jan. 2012

- \* Medical-Surgical Nurse on busy Medical unit
- \* 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 Studio
NumPy	stats	DOE	GAM
SciPy	dplyr	MRO	GLM
Scikit learn	stringr	SPC	Mixed
nlTK	MASS	Graph Builder	Splines
Spacy	glmnet	Queries	
Keras	splines	Journals	
Beautiful Soup	survival	Dashboards	
Stats models	kmsurv	Applications	
SQL	frailtypack		
alchemy	ggplot2		
	shiny		

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