General summary/purpose:

The Johns Hopkins inHealth Precision Medicine Initiative (Hopkins *in*Health) is a partnership of John Hopkins University, Medicine, and Applied Physics Laboratory strategic initiative to turn precision medicine into reality, leveraging the partners' multi-disciplinary expertise as well as its best-in-class data analytics infrastructure. The Division of Rheumatology in the Department of Medicine is an inHealth leader. We develop statistical tools to enhance medical care including personalized risk predictions of critical events for patients with rheumatic diseases. We are seeking a research data scientist/biostatistician to improve data wrangling and analysis processes that create, test, and implement data science tools into the discovery and delivery of improved medical services.

Specific duties & responsibilities:
- Collaborate with statisticians and clinicians to wrangle raw clinical data into cohort datasets for research and conduct statistical analyses that address scientific questions.
- Continuously create and integrate state-of-the-art statistical tools and new statistical methodologies into a wrangling and analysis stack for deployment across Rheumatology and ultimately Johns Hopkins Medicine.
- Participate as a key member of the Rheumatology P30 Data Science Core led by Dr. Scott Zeger.
- Participates in regularly scheduled meetings with investigators and teams that require statistical input.
- Design statistical procedures for specific research endeavors and prepare written reports.
- Assist with writing statistical design, methods, and analysis for manuscripts and research proposals.
- Analyze data and prepare tables and figures for interim and final reports.
- Ensure data integrity and compliance with security policies governed by HIPAA and the Johns Hopkins IRB.

Minimum qualifications (mandatory):
- Master's Degree in Biostatistics, Epidemiology, or related quantitative field.
- One-year related experience.
- Demonstrated ability via a significant graduate project or additional doctoral education may substitute for experience to the extent permitted by the JHU equivalency formula.

Preferred qualifications:
- Basic data science skills such as using: Unix tools, version control systems (e.g. git and Github), and virtualization (e.g. Docker);
- Proficiency in software package development, especially in R and/or Python
- Proficiency in or ability to learn basic SQL
- Training or equivalent experience analyzing data;
- Willingness to stay current with emerging data science tools and to learn new statistical techniques;
- Commitment to translating data science research into real-world impact.

Special knowledge, skills, and abilities:

Technical qualifications or specialized certifications:

Any specific physical requirements for the job: None

Supervisory responsibility (indicate the number and type of persons supervised by the incumbent): None

Budget authority (indicate the dollar amount of budget managed and type/level of authority): None