DATA SCIENTIST, ANALYTICS, (PhD)
MENLO PARK, CA | SEATTLE, WA | NEW YORK, NY

We're looking for Data Scientists to join some of our Analytics teams, including those in charge of News Feed, Video, Search, Monetization and Ads, Sharing, and Product Foundation. You will enjoy working with one of the richest data sets in the world, cutting edge technology, and the ability to see your insights turned into real products on a regular basis. The perfect candidate will be able to effortlessly apply the expertise gained throughout their PhD to tackle Facebook Product Analytics challenges, and will have experience working with large, complex data sets. You are focused on results, a self-starter, and have demonstrated success in understanding and solving complex problems using analytical techniques. This position is based full-time in our Menlo Park, CA, Seattle, WA and New York, NY offices.

RESPONSIBILITIES:
- Apply your expertise in quantitative analysis, data mining, and the presentation of data to see beyond the numbers and understand how our users interact with both our consumer and business products
- Partner with Product and Engineering teams to solve problems and identify trends and opportunities
- Inform, influence, support, and execute our product decisions and product launches
- Work across the following four areas:
  - Product Operations
    - Forecasting and setting product team goals
    - Designing and evaluating experiments
    - Monitoring key product metrics, understanding root causes of changes in metrics
    - Building and analyzing dashboards and reports
    - Building key data sets to empower operational and exploratory analysis
    - Evaluating and defining metrics
  - Exploratory Analysis
    - Proposing what to build in the next roadmap
    - Understanding ecosystems, user behaviors, and long-term trends
    - Identifying new levers to help move key metrics
    - Building models of user behaviors for analysis or to power production systems
  - Product Leadership
    - Influencing product teams through presentation of data-based recommendations
    - Communicating state of business, experiment results, etc. to product teams
    - Spreading best practices to analytics and product teams
MINIMUM QUALIFICATIONS

- Currently has, or is in the process of obtaining, a Ph.D. degree in Computer Science, Electrical Engineering, Operations Research, Econometrics, Statistics or related technical field
- Experience solving analytical problems using quantitative approaches
- Experience communicating quantitative analysis results
- Knowledge with relational databases and SQL
- Development experience in any scripting language (PHP, Python, Perl, etc.)
- Knowledge of statistics (e.g., hypothesis testing, regressions)
- Experience manipulating data sets through statistical software (ex. R, SAS) or other methods
- Must obtain work authorization in country of employment at the time of hire, and maintain ongoing work authorization during employment

PREFERRED QUALIFICATIONS

- Experience working with distributed computing tools (MapReduce, Hadoop, Hive, etc.)
- Experience working with large data sets
- Experience manipulating and analyzing high-volume, high-dimensionality data from varying sources

Facebook's mission is to give people the power to build community and bring the world closer together. Through our family of apps and services, we’re building a different kind of company that connects billions of people around the world, gives them ways to share what matters most to them, and helps bring people closer together. Whether we're creating new products or helping a small business expand its reach, people at Facebook are builders at heart. Our global teams are constantly iterating, solving problems, and working together to empower people around the world to build community and connect in meaningful ways. Together, we can help people build stronger communities — we're just getting started.

Facebook is committed to providing reasonable accommodations for qualified individuals with disabilities and disabled veterans in our job application procedures. If you need assistance or an accommodation due to a disability, you may contact us at accommodations-ext@fb.com.