

# RWE Scientific data analyst II

Job ID  
REQ-10017609  
Aug 06, 2024  
India

## Summary

The RWE Scientific Data Analyst II will program and validate Real World Evidence (RWE) studies and dashboards and conduct statistical analysis of large observational databases aligned with Novartis RWE strategies, with minimal direction.

## About the Role

RWE Scientific Data Analyst II

Location – Hyderabad #LI Hybrid

### About the Role:

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### Key Responsibilities:

- Independently develop, modify and de-bug programming routines (such as SAS or R) along with sophisticated SQL queries to extract, clean, manage, and analyze large databases for health outcomes research. Data sources include medical and pharmacy claims data, hospital data, electronic medical record data, and prospective observational study data.
- Independently translate the study design into algorithms to extract, analyze and report secondary data for Non-Interventional Studies (NIS) or interactive data visualization tools.
- Collaborate with the RWE Research Analysts to scope and design projects under senior guidance.
- Use RWE tools such as R, R/shiny, SAS, Impala, git or JIRA.
- Conduct observational data analyses including data management and statistical programming as well as the development of RWE dashboards.
- Use machine learning and data mining techniques such as random forest, GBM, logistic regression, SVM, deep learning.
- Be familiar with dimensional reduction and R packages such as ggplot, plotly or t-sne.
- Independently maintain consistency and align with company standards of the project documentation for observational studies and interactive data visualization tools, including programming, specifications of analysis datasets, tables, figures and listings.

Commitment to Diversity & Inclusion: :

*We are committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.*

#### Essential Requirements

- Bachelor's degree plus 2+ years of experience as programmer or Scientific Data Analyst in the pharma industry, contract research organization, or academic institute; or experience in a closely related field.
- At least 2 years of SAS or R professional programming experience for purposes of data manipulation, analysis and visualization.
- Exceptional problem-solving abilities with a good understanding of statistical methods (regression, Anova, t-tests, etc.).
- Good knowledge of SQL querying using at least one of the following Hive, Impala, MySQL, OracleSQL or similar.

#### Desirable Requirements:

- Competent in using data visualization techniques such as R Shiny, Rmarkdown, ggplot, plotly, data.table, dplyr.
- Experience with version control tools such as git or JIRA.

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Division

Operations

Business Unit

CTS

Location

India

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Hyderabad (Office)  
Company / Legal Entity  
IN10 (FCRS = IN010) Novartis Healthcare Private Limited  
Functional Area  
Data Science  
Job Type  
Full time  
Employment Type  
Regular  
Shift Work  
No  
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