**Employer: Brevitas consulting inc. for Sanofi Pasteur (Data Science Team)**

**Contact: Archana Nehru: nehrua5@brevitas.us**

**Location: Remote work. One travel ( 1 or 2 days) per month to Sanofi Toronto site**

**Duration: 6 months minimum. Part time. 20 hours per week.**

**Responsibilities:**

- Analyzing, interpreting, and managing a variety of datasets.
- Ensuring data integrity by performing rigorous cleaning, error checking, and validation.
- Define and utilize statistical methods to solve industry-specific problems and conveying complex information to people who may not be specialists
- Compare and analyze statistical information to identify patterns, relationships, and problems
- Apply sampling techniques to effectively determine and define ideal categories to be questioned
- Some techniques could be using ANCOVA for Stability Analysis; Two one sided test (TOST) for comparability analysis; Correlation and Regression (parametric/nonparametric); Hypothesis Testing (parametric/nonparametric); Multiple Linear Regression; Logistics Regression; Other methods as appropriate.
- Performing statistical tests to determine the reliability and soundness of results.
- Creating and maintaining databases using statistical software programs, such as SPSS, SAS, or Stata.
- Presenting statistical findings to management in reports that include executive summaries, charts, tables, and graphs.
- Participate and/or lead continuous improvement projects and activities
- Keen attention to detail and excellent recordkeeping skills.

**Qualification:**

- ***Minimum qualifications - Masters in Statistics or Mathematics. Math Background***

- Bilingual – English & French is an asset
- Relevant Statistician work experience in a pharmaceutical manufacturing, GMP environment will be an asset
- +2 years of work experience in manufacturing process analytics required
- Experience in SPC, MVDA (Multivariate Data Analysis) and DOE (Design of Experiments) is an asset
- Experience with analytical tools (e.g. JMP, Matlab, R) and programming language would be a strong asset.
- Good knowledge of statistical software programs such as SPSS, SAS or Stata