**Class Summary**

The responsibilities of this classification include designing, developing, and evaluating predictive models and advanced algorithms that lead to optimal value extraction from data. In addition, incumbents plan and conduct original analyses leading to answers to specific questions or opportunities for improving systems through statistical, algorithmic, mining, and visualization techniques.

**Distinguishing Characteristics**

This classification is the second level of a three-level series. This position is distinguished from the Human Services Data Scientist-Senior in that the Human Services Data Scientist-Senior is a management-recognized technical expert with broad latitude for judgment on complex multi-dimensional program systems and is consistently assigned the most challenging assignments requiring a higher level of responsibility, applying advanced subject knowledge; and lead the work of less experienced staff members.

**Examples of Duties**

*In addition to the duties of the Human Services Data Scientist-Associate classification, the Human Services Data Scientist will:*

1. Mine large data sets using established and emerging in-memory analytic technologies.
2. Collaborate with evaluators, program team members, leadership, and external partners to deliver customer solutions.
3. Create programming and automation techniques, such as libraries, that simplify day-to-day processes.
4. Retrieve, synthesize, and present critical data in a format that is immediately useful to answering specific questions or improving system performance.
5. Build out key success metrics and decision-making models and propose solutions for business problems.
6. Conduct written and verbal presentations, sharing insights and recommendations with audiences of varying levels of technical sophistication.
7. Develop and implement scalable, efficient, automated processes for large-scale data analyses, validation, and implementation.
8. Conduct ad hoc analyses and present key findings.
9. Train and mentor staff members as needed.
10. Perform other duties as assigned.

**Knowledge/Skills**

Skill in analytical thinking, problem-solving, resolving conflicts, and bringing others to a consensus

Skill in planning, organizing, and formal project management principles and practices

Skill in oral and written communication

Skill in providing customer service

Skill in handling multiple competing priorities and producing quality detailed work within tight timeframes

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to work independently and as a team member

Demonstrated proficiency with business applications, such as Microsoft Office suite

**Education and Experience Requirements**

Any combination of education and experience that clearly demonstrates the ability to perform the job duties of the position

**Licensing, Certification, and Other Requirements**

Some licenses, certifications, and other requirements determined to be necessary to meet the business needs of the employing unit may be required

|  |  |
| --- | --- |
| **FLSA Designation** | Exempt (Administrative) |
| **Service Status** | Career Service |
| **EEO Code** | 2 |
| **Levels within the same series** | Human Services Data Scientist-Associate, Human Services Data Scientist, Human Services Data Scientist-Senior |
| **Class History** | 08/2023 - Created |