Mission Statement:

The Data Science Instructional Support Coordinator at Bryn Mawr College is dedicated to democratizing data science and enhancing data literacy across all disciplines. By fostering an inclusive and supportive environment, we empower faculty, students, and staff with the skills and resources necessary to leverage data for academic excellence and innovation.

Goals:

1. **Support Interdisciplinary Data Science Education**: Collaborate with faculty to develop and teach courses that integrate data science across various disciplines, enriching the Data Science minor.
2. **Enhance Data Competency**: Provide workshops, consultations, and resources to build statistical and data-science skills among the college community.
3. **Sustain and Grow Support Services**: Establish and manage robust, sustainable support structures for data science tools and methodologies. This may include software resources and hardware resources.
4. **Promote Inclusive Learning**: Engage a diverse range of faculty, students, and staff, ensuring accessibility and universal design principles are integrated into all instructional support services.

Services:

1. **Course Development and Teaching Support**:
   1. Assist faculty in creating and refining data science courses.
   2. Teach one academic course (or equivalent) per year in the Data Science program.
2. **Consultation and Troubleshooting**:
   1. Provide expert consultation for data-related software such as Excel, SPSS, STATA, RStudio/Posit Cloud, and GitHub along with consultation on relevant coding languages such as Python and R.
   2. Offer troubleshooting support to faculty and students to ensure seamless use of data tools.
3. **Workshops and Training**:
   1. Conduct workshops on data science skills and statistical methods.
   2. Facilitate communities of practice to foster peer learning and collaboration. This may appear as Office Hours or a open workspace (Studio, Hackerspace, etc.).
4. **Resource Development**:
   1. Create and maintain educational resources that support data literacy and competency.
   2. Develop guides, tutorials, and documentation for data science tools and practices.
5. **Collaboration and Outreach**:
   1. Work with faculty, students, and staff to integrate data science into their projects and research.
   2. Promote data science education and support services across the college community through reaching out to faculty and staff.