

## IT Specialist (GS-14) – Data Analytics

### Narrative Statement:

As a leader in the agency on the use of R, I have been following the development of the cloud based analytics platform with interest and have been happy to participate in the pilot phase and provide feedback. The opportunity to be more directly involved and help shape the analytics tools is intriguing and would have long-term benefits to the research I co-lead in computational ecology by providing a robust and modern platform. In addition to direct benefits to my work in the Office of Research and Development, I am very interested in expanding the use of data science tools across the Agency and the cloud-base analytics tools are key to doing this. I look forward to working with my existing collaborators in ORD, Regions 1,2, and 7, and OEI to do this.

Briefly, some of my qualifications for this position are:

- Nearly two decades of experience using R, which included data management, data analysis, visualization, R package development, managing RStudio Server, managing Shiny Servers, some shiny Development
- Database design experience, including some relational databases, but recently a focus on simplicity and using tidy data principles for a wide variety of environmental research projects
- Have supported several linux servers for our computational ecology work and also have limited container experience via the Rocker Docker organization dockerfiles.
- General programming skills which include java, javascript, python, HTML and CSS.

In short, I think I have a unique blend of skills and experience that would benefit IAASD as the analytics platform is further developed and put into operation.