



STATE OF WYOMING
invites applications for the position of:

FWWB10-2022-05069-Data Scientist- Statewide

SALARY: \$5,161.87 - \$6,451.47 Monthly

LOCATION: Statewide

**OPENING
DATE:** 12/12/22

**CLOSING
DATE:** 01/06/23 11:59 PM

DESCRIPTION AND FUNCTIONS:



GENERAL DESCRIPTION:

The Wyoming Game and Fish Department seeks a Data Scientist. This position provides spatial data analysis, data management, workflow development, and statistical modelling in service to wildlife managers and the Wildlife Division. Primary responsibilities include assistance with updating species-monitoring programs, improving rigor and application of relevant research, and ensuring Department access to clean, useable datasets. While the incumbent should be able to work on any taxa, many of the job duties are associated with nongame species. Work products from the Data Scientist will enhance the Department's use of sound science and data in wildlife management. The position is part of the Department's Science, Research and Analytical Support Unit. Applicants should have a strong analytical skill set and a keen interest in wildlife management. The position will be based at the Cheyenne Headquarters Office (preferred) or at an approved regional office.

Human Resource Contact: [Laura Curtis](#) 307-777-4507

ESSENTIAL FUNCTIONS: The listed functions are illustrative only and are not intended to describe every function which may be performed at the job level.

- **Data management and workflow development.** Develop workflows to manage field and spatial data, particularly for sage grouse and other Species of Greatest Conservation

Need. Work with Department personnel to ensure that data are properly uploaded, cleaned and backed up, thereby guaranteeing future access. Assist Department personnel with data retrieval and interpretation.

- **Study design and data analysis.** Review study designs for research and monitoring projects, with a focus on Species of Greatest Conservation Need. Work with project proponents to make sure that study designs and analyses yield defensible answers to management questions. Analyze wildlife data to support Division needs, and to assist with the implementation of the State Wildlife Action Plan. Develop visuals, publications and other deliverables to disseminate results. Participate in field data collection activities to assist with Department research and monitoring projects.
- **New science application.** Work with the Unit supervisor, Unit staff, Programs and Regions to implement updated analytical and wildlife monitoring techniques. Help the Division and the Director's Office remain current on emerging science. Develop and review new analytical approaches to address pressing management needs

QUALIFICATIONS:

PREFERENCES/AGENCY REQUIREMENTS:**

Preference will be given to applicants with a Master's Degree in Wildlife Ecology, Biology, or Management; with at least 3 years of progressive work experience in wildlife management and quantitative applications.

**Must have a valid driver's license

KNOWLEDGE:

- Advanced understanding of the principles, concepts and practices of wildlife ecology and management
- Knowledge of traditional and emerging statistical applications relevant to wildlife ecology
- Demonstrated expertise in spatial analysis, data workflows and advanced data management
- Expertise in the design of wildlife monitoring and research projects
- Experience developing new spatial data analysis approaches or tools to solve wildlife problems
- Ability to communicate effectively with technical and non-technical audiences
- Advanced technical writing skills
- Advanced familiarity with Program R, Microsoft and Google platforms, and an ability to learn new software packages
- Excellent interpersonal communication skills
- Ability to work with stakeholders, despite disagreements or differing perspectives
- Capacity to solve problems both independently and as part of a team
- Ability to analyze information and make appropriate decisions
- Capacity to make and defend recommendations despite imperfect data
- Knowledge of state personnel rules and Wyoming Game & Fish Commission policies regarding Department employees

MINIMUM QUALIFICATIONS:

Education:

Bachelor's Degree (typically in Wildlife Management)

Experience:

1-2 years of progressive work experience (typically in Wildlife Management) with acquired knowledge at the level of a Wildlife Biologist II

Certificates, Licenses, Registrations:

None

OR

Education & Experience Substitution:

4-6 years of progressive work experience (typically in Wildlife Management) with acquired knowledge at the level of a Wildlife Biologist II

Certificates, Licenses, Registrations:

None

NECESSARY SPECIAL REQUIREMENTS:

PHYSICAL WORKING CONDITIONS:

- The position requires the lifting of heavy objects and strenuous physical exertion at times.
- Must be able to work in various weather conditions and environments.
- Must be able to work all days of the week and varied work hours, including weekends and early mornings, evenings/late nights.
- Ability to safely operate motorized equipment, including 4x4 pickup trucks, ATVs, and snowmobiles.
Ability to safely use horses or mules (where assigned) to perform surveys or transport equipment and other items.

NOTES:

- FLSA: Exempt
- Successful applicants for employment must pass a background check before appointment.
- Location preference is Cheyenne, WY, however alternate regional office locations will be considered.
- Must complete the Department's wildlife immobilization training and certification, following hire.
- Travel will be required.

SUPPLEMENTAL INFORMATION:

040-Wyoming Game and Fish - Wildlife Division

Click [here](#) to view the State of Wyoming Classification and Pay Structure.

URL: <http://agency.governmentjobs.com/wyoming/default.cfm>

The State of Wyoming is an Equal Opportunity Employer and actively supports the ADA and reasonably accommodates qualified applicants with disabilities.

Class Specifications are subject to change, please refer to the A & I HRD Website to ensure that you have the most recent version.

A complete listing of the State of Wyoming Classification and Pay Structure can be viewed at <http://agency.governmentjobs.com/wyoming/default.cfm>.

Class Code #FWWB10

Job # 2022-05069

FWWB10-2022-05069-DATA SCIENTIST-STATEWIDE

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See Human Resource Contact Information in the General Description Section Statewide, WY 82002

Fax: (307) 777-6562

lorrie.abeyta@wyo.gov

The State of Wyoming is an Equal Opportunity Employer and actively supports the ADA and reasonably accommodates qualified applicants with disabilities. No notice of eligibility will be sent to applicants who meet the minimum qualifications.

FWWB10-2022-05069-Data Scientist-Statewide Supplemental Questionnaire

- * 1. (AA) Which of the following best describes your highest completed level of education to date or within the next three (3 months)? (Transcripts may be required.)
 - High School Diploma/GED/or Equivalent
 - Some college Coursework, No Degree Received
 - Associate's Degree
 - Associate's Degree and additional coursework
 - Bachelor's Degree
 - Bachelor's Degree and additional coursework
 - Master's Degree
 - Master's Degree and additional coursework
 - Doctorate Degree
 - Doctorate Degree and additional coursework
 - None of the Above

- * 2. (AA) Which of the following Quarter/Semester credit hours best describes your completed college education to date or within the next three (3 months)? (Transcripts may be required.)
 - 45+ Quarter hours/30+ Semester hours
 - 90+ Quarter hours/60+ Semester hours
 - 136+ Quarter hours/91+ Semester hours
 - 180+ Quarter hours/120+ Semester hours
 - 225+ Quarter hours/150+Semester hours
 - N/A

- * 3. (FWWB10) Which of the following best describes your work experience in Wildlife Management? Experience definition: (This experience includes, but may not be limited to, the following: Wildlife biology, rangeland ecology, animal science, owner/operator of ranch or farm)

- No relevant experience.
- Less than one (1) year of relevant experience.
- One (1) to less than two (2) years of relevant experience
- Two (2) to less than three (3) years of relevant experience
- Three (3) to less than four (4) years of relevant experience.
- Four (4) or more years of relevant experience.

4. (AA) Describe your relevant experience in the box below.

* 5. Do you have a bachelor's degree or higher in any of the following? Please check any that apply.

- Wildlife
- Range Management
- Biology
- Zoology
- Ichthyology
- Other related field
- None

* 6. Do you have a master's degree or higher in any of the following? Please check any that apply.

- Wildlife
- Range Management
- Biology
- Zoology
- Ichthyology
- Other Related Field
- None

* 7. Do you have a valid driver's license?

- Yes
- No

* 8. (AA) Where did you hear about this opportunity?

- Indeed
- LinkedIn
- Zip Recruiter
- Wyoming Workforce services
- Other job sites (Wyoming at Work, Monster, etc.)
- Social Media (Facebook, Twitter, etc.)
- www.governmentjobs.com/careers/wyoming
- Newspaper/Newsletter Advertisement
- Career Fair
- State Employee
- Friend or Acquaintance (Not State Employee)
- Other

9. (AA) If you answered Other, please tell us where.

* 10. (AA) VETERANS' PREFERENCE DISCLOSURE: PER WYOMING STATUTE, current employees of the State of Wyoming are not eligible for veterans' preference. If you are not a current employee of the State of Wyoming, to be eligible to receive veterans' preference you MUST have been a resident of the State of Wyoming for a period of one (1) year or more at any time prior to submitting this application. I have read and understand the veterans' preference disclosure.

- Yes
- No
- I am not a veteran

11. (AA) VETERANS' PREFERENCE: If you are a war veteran as defined in section 101, Title 38, United States Code or are the surviving spouse of a war veteran who receives survivor benefits from the federal government based on the veteran's military service, and wish to claim veterans' preference, please attach the appropriate documentation substantiating your claim. Indicate below your appropriate veterans' preference status. By requesting veterans' preference, you are certifying that you meet the statutory requirements as described in the above disclosure.

- Current State Employee
- Veteran - DD214 Attached
- Disabled Veteran (10% or more) - DD214 and Veteran's Disability Determination Attached
- Surviving Spouse of a Deceased Veteran - DD214 and proof of Survivor Benefit Attached
- None of the above

* 12. (AA) Please be advised that an incomplete application WILL NOT be considered for employment. An attached resume' is not required and is not an acceptable substitution for a completed application. Some State of Wyoming agencies use E-Verify, an Internet-based system, to confirm the eligibility of all newly hired employees to work in the United States. Learn more about E-Verify, including your rights and responsibilities at <https://www.uscis.gov/e-verify>. I have read and understand the above statement.

- Yes
- No

* Required Question