The above word cloud was generated based on the 6 jobs currently available that I chose as jobs of interest to me upon completing the Springboard data science curriculum.

The specific job titles corresponding to jobs that were of interest to me are:

1. Research Analyst
2. Telecomute Research Associate
3. Research Analyst
4. Director of Space Weather Prediction Center
5. Data Strategist
6. Senior Analyst
7. Crime Analyst

I like the analysis part of the above jobs. I like the autonomy of many of the positions. I have had over 20 years of experience in the world of civil engineering, so some of the positions with a lean towards scientific/engineering analysis appeals to me.

I have included the job descriptions for the above positions as an appendix.

Appendix

1. **Toastmasters International – Research Analyst**

Summary

The Research team's objective is to encourage data-drive decisions that support the strategic plan, forecast business metrics, act as a service bureau for business data and provide operational support to departments that require data to conduct department-specific job functions.

The Research Analyst is a key member of the team and is responsible for developing research methodologies and techniques, accurately analyzing results and writing detailed reports. The Research Analyst works with a great deal of autonomy and is expected to work at the highest level of accuracy in all facets of the data analysis process.

Description
·   Exciting opportunity to combine market research and data science.
·   Build, organize and prepare large datasets for analyses and use advanced statistical techniques.
·   Design research surveys with a wide range of response formats aimed at collecting quantitative and qualitative data.
·   Use innovative techniques to gather, interpret and visualize data (including maps and infographics).
·   Periodic reporting of business metrics that is accurate and increasingly streamlined.
·   Moderate online focus groups.
·   Consistently seek new ways for the department to run more efficiently.

Knowledge and Skills
·   Excellent data processing skills using R.
·   Advanced statistical analysis skills (multiple regression, text analytics, time series).
·   Advanced skills in Excel, Word and PowerPoint.
·   GIS and infographic software experience preferred, but not required.
·   Superior written and verbal communications skills.
·   Highly analytical with excellent organizational skills.
·   Flexible and open to changing priorities and managing multiple projects simultaneously.

Requirements
·   Bachelor's degree required in Statistics, Sociology, Computer Science, Psychology or related field. Master's preferred.
·   Minimum of three years of research experience.
·   Experience with statistical computing and modeling using R.
·   Experience designing surveys with a wide range of response formats and moderating discussion forums.

2. Virtual Vocations – Telecomute Reseach Associate

Job description

A non-profit organzation has an open position for a Telecommute Research Associate. Core Responsibilities of this position include: Managing the logistics of data collection in experiments, including overseeing all participants in the research Keeping up-to-date with farm animal advocacy strategies used in the movement Helping develop designs for experiments, define metrics, evaluate controlled and uncontrolled biases, and assess external validity of studies Required Skills: Require occasional travel A graduate or undergraduate degree in social sciences, mathematics, statistics, psychology, economics, computer science, public health or other related topics Past authorship of scientific reports or peer-reviewed articles Very strong analytical skills accompanied with steadfast curiosity and a willingness to wrestle with large and complex data sets Comfortable in the use of R or Python for complex quantitative analysis Very strong communication skills, with an ability to adapt appropriately to lay audiences and fellow researchers alike

Denver Museum of Nature and Science – Research Analyst
Job Description:
The Denver Museum of Nature & Science is hiring a Research Analyst to join our team! This position is responsible for supporting the research and evaluation efforts throughout the museum. The Research Analyst will measure the outcomes and impact of current and future exhibitions, programs, activities, and services we offer to visitors, potential visitors, and the greater community. This position may also manage project teams, facilitate meetings, and communicate with key stakeholders. This is an essential position to both the department and to the Museum. The projects are diverse and we work and respond rapidly to the needs of our colleagues. No two days are ever the same!

This is a temporary position ending Summer 2019.

Essential Duties:
·   Works with team members and their supervisors to determine project scope, develops evaluation tools, and schedules deadlines and assignments accordingly.
·   Communicates and advocates for visitor and community perspectives to ensure our visitors and community are at the core of what we do.
·   Completes written and oral reports and presentations to internal and external stakeholders as needed to the highest professional standards, tailoring content as appropriate to audiences.
·   Creates and manages detailed project schedules, continuously monitoring status, communicating key tasks internally and externally to ensure projects are completed on-schedule and on-budget.
·   Serves as primary point of contact for contractors, representing the Museum's requests and professional standards, communicating information between contractors and project teams in a timely and accurate manner, and proactively identifying and resolving issues.

· Provides research and evaluation input to the Director to assist in the development and implementation of the strategic and operational plans for Museum departments.
· Assists the Manager in instrument development and design, prototyping and testing, data collection, data entry, and analysis for all phases of projects and studies—including front-end, prototyping, process, formative, remedial and summative.
· Assists the Manager of Audience Insights to recruit, train, and develop a diverse and inclusivity-focused research assistant team reflective of and responsive to Metro Denver's communities.

Requirements:
· Bachelor's Degree or equivalent work experience in social science, museum studies, education, nonprofit management, or related field require, Master's degree preferred.
· 2 years' experience managing staff and/or volunteers required.
· 2 years' experience conducting quantitative and qualitative research and/or evaluation required.
· Bilingual (Spanish/English) may be required depending on audience outreach.
· Occasional travel to/from conferences and meetings, in and out of state required.
· Advanced proficiency with Microsoft Office suite required.

Ideal candidate will have:
· Experience doing evaluation in a Museum or informal learning environment

3. Department of Commerce – Director of Space Weather Prediction Center

Job description

· Duties
Help Duties Summary
The National Weather Service (NWS) is a component of NOAA:
Our Mission: Provide weather, water, and climate data, forecasts and warnings for the protection of life and property and enhancement of the national economy.
Our Vision: A Weather-Ready Nation: Society is prepared for and responds to weather-dependent events.
Our History: Explore various milestones in the history of the National Weather Service and our predecessor agencies dating back to the 1800s on our interactive timeline.
Learn more about this agency
Responsibilities
This position is located in the National Centers for Environmental Prediction (NCEP), National Weather Service (NWS). The Space Weather Prediction Center (SWPC) is the Nation's official source of space weather alerts and warnings. The Center continually monitors and forecasts Earth's space environment; provides accurate, reliable and useful solar-terrestrial information; and leads programs to improve services. Operational and development activities -cover time scales ranging from seconds to decades. The domain for space weather extends beyond Sun

and Earth and into the planetary system where the effects of Space Weather can jeopardize the welfare of National assets, including life and property.

As SWPC Director, the incumbent has full responsibility for the discharge of the following essential organizational functions:

· He/she plans and guides the Center's participation in national and international space weather research and operational service programs; attends or ensures proper SWPC representation at meetings of national and international professional societies, unions and commissions; presents the mission and programs of SWPC to the above groups; and keeps abreast of and helps define national and international data programs, model development, and operational service improvements (with the help of his/her stf).

· The incumbent understands the present needs and future requirements of the Department of Defense (USAF, USN) other government agencies (NASA, DOE, NSF, FAA, DOI), universities, and industry for operational space weather services and supporting research. He/she assures that potential users are aware of the operational services provided by the Center and that user needs are considered by the operational and research arms of the Center.

· The duties may require the incumbent's presence as chairman or of a variety of national and international advisory and policy-making committees involving solar-terrestrial research and space weather service programs. The incumbent is often called upon to evaluate research and operational service proposals to various agencies (NASA, NSF, etc.) which fund solar-terrestrial activities, and to aid in selecting participants in various research, modeling or transition-to-operations programs.

· The incumbent is required to present the solar-terrestrial research and operational service policies of NOAA and NWS to other national and international agencies and groups.

· The incumbent is required to pursue an outreach and education program in support of NOAA's Environmental Literacy, Outreach and Education program.

Duties external to SWPC include the presentation of the SWPC mission, policies, and goals to the NOAA and DOC management and to the Executive Office of the President and the Congress. The incumbent also participates with other NCEP Directors in consulting with high-level management on the NCEP mission, policies, and goals. The incumbent participates on seniorlevel management committees from time to time.

Travel Required

Occasional travel - 20% or GreaterThis position requires occasional travel to meetings, facility visits, etc.

Supervisory status

Yes

Promotion Potential

00

Who May Apply This job is open to... Applications will be accepted from all groups of Qualified Individuals/All-Sources (U.S. Citizens Only)

Questions? This job is open to 2 groups.

· Job family (Series)

1301 General Physical Science

·   Requirements

Help Requirements Conditions of Employment

·   Incumbent may be subject to geographic mobility.
·   Ability to obtain and maintain a Top Secret security clearance.
·   Newly appointed SES members must serve a 1 year probationary period.
·   Position is subject to pre-employment background investigation.
·   Public Financial Disclosure (OGE-278 filing within 30 days is required).
·   Position is subject to random drug testing.

As a basic requirement for entry into the SES, you must provide evidence of progressively responsible leadership experience that is indicative of senior executive level management capability; and that is directly related to the skills and abilities outlined under the Executive Core Qualifications (ECQs) and the Professional/Technical Qualifications (PTQs) listed under "How You Will Be Evaluated." Typically, experience of this nature will have been gained at or above the GS-14/15 grade level in the Federal service or its equivalent with state or local government, the private sector, or non-governmental organizations.

Qualifications

To meet the minimum qualifications for this position, you must possess all of the mandatory Executive Core Qualifications and Professional/Technical Qualifications listed below and the educational requirement. These qualifications would typically be acquired through education, experience, and training which reflect progressive development and achievement in managing a comprehensive business program in a complex organization. An individual's total experience and education must demonstrate the ability to perform the duties of the position. Applicants must meet all of the qualification requirements by the closing date of this announcement.

SES Executive Core Qualifications (ECQs)

ECQ 1 - Leading Change: This core qualification involves the ability to bring about strategic change, both within and outside the organization, to meet organizational goals. Inherent to this ECQ is the ability to establish an organizational vision and to implement it in a continuously changing environment.

ECQ 2 - Leading People: This core qualification involves the ability to lead people toward meeting the organization's vision, mission, and goals. Inherent to this ECQ is the ability to provide an inclusive workplace that fosters the development of others, facilitates cooperation and teamwork, and supports constructive resolution of conflicts.

ECQ 3 - Results Driven: This core qualification involves the ability to meet organizational goals and customer expectations. Inherent to this ECQ is the ability to make decisions that produce high-quality results by applying technical knowledge, analyzing problems, and calculating risks.

ECQ 4 - Business Acumen: This core qualification involves the ability to manage human, financial, and information resources strategically.

ECQ 5 - Building Coalitions: This core qualification involves the ability to build coalitions internally and with other Federal agencies, State and local governments, nonprofit and private sector organizations, foreign governments, or international organizations to achieve common goals.

NOTE: Responses to ECQs must not exceed 10 pages typed in 12-point font.

Professional/Technical Core Qualifications (PTQs)

PTQ 1 - Understanding of and demonstrated experience with scientific and technical principles underlying solar, magnetospheric, ionospheric, lower atmospheric science as they apply to space weather prediction and associated research and development.
PTQ 2 - Experience demonstrating the ability to direct an organization responsible for operational space weather analysis and prediction of national and international scope.
PTQ 3 - Experience which demonstrates the ability to direct large-scale operational and research programs/projects associated with space weather prediction and fosters the acceleration of research into operations.

4. Ball Aerospace – Data Strategist

Job description
Who We Are
Ball Aerospace leads the way in designing, developing and manufacturing innovative aerospace systems. We take on some of the most complex and exciting challenges in the universe--from space and Earth science to national security and intelligence programs.
We produce spacecraft, instruments and sensors, RF and microwave technologies, data exploitation solutions, and a variety of advanced aerospace technologies and products. In addition, we pioneered the development of the commercial remote sensing market, producing spacecraft and imaging systems that helped spawn a market-driven demand for imagery.
Our success is built on more than products or systems. Our team of more than 3,000 engineers, scientists, technicians and support staff drives all the achievements at Ball Aerospace. Whether contributing to a better understanding of the universe or helping keep our nation safe, our people bring their diverse backgrounds, perspectives and skills together to achieve a common mission.
Ball Aerospace is a prime contractor leading development teams at AFRL and NASIC. Dayton personnel develop advanced hardware and software systems and provide management services to solve customer problems and create new capabilities. This includes designing and developing software tools and threat models, performing extensive data analyses, and executing modeling and simulations using both internally developed and standard models. Systems Engineering Solutions provides technical and professional services to defense, intelligence, homeland security and space science markets.
Qualifications
Data Strategist
Work with a small team in a high priority data analytics and intelligence role supporting a virtual startup. Engage directly with external stakeholders and develop strategic analytical solutions for complex real-world problems. Translate challenging customer requirements into technical work-streams. Develop methods and tools that integrate diverse information types including spectral, text-based, and financial data. Ideal candidates will have demonstrated strong intellectual curiosity, interpersonal skills, and an ability to work in a fast-paced dynamic team environment.
What You'll Do

- · **Technical development:
- · Lead development of novel models and analytical tools to answer difficult real-world questions

·   Provide technical insights to a wide range of areas including
·   Technical data sourcing, management, and analysis
·   Cloud-based information management systems
·   Machine learning and advanced data manipulation
·   Support strategic decisions related to technology development
·   Innovate to develop new sources, methods, and tools that support immediate customer requirements and enhance capabilities over the long term
·   **Communications:**
·   Translate complex technical information into widely understood language to support decision making
·   Customer relationship management
·   Translation of business requirements into technical requirements
·   Business development for new customer opportunities
·   **Research and analysis:**
·   Perform research and analysis on a wide range of topics
·   Aggregate disparate pieces of information into a cohesive whole
·   Maintain a regular and predictable work schedule.
·   Establish and maintain effective working relationships within the department, the Strategic Business Units, Strategic Support Units and the Company. Interact appropriately with others in order to maintain a positive and productive work environment.
·   Perform other duties as necessary.

What You'll Need

·   B.S. degree in Software Engineering, Computer Science or other related technical field is required, plus 5 or more years related technical experience.
·   Experience applying large-scale data analysis and predictive modeling in real-world settings.
·   Deep knowledge of machine learning, probability and statistics.
·   Experience with scripting languages, for example Python, R, or similar.
·   Proficiency in high-stakes written and oral communication and relationship management.
·   Strong intellectual curiosity.
·   US Citizenship is required.
·   In addition to the typical educational and experience requirements, a demonstrated capability to adequately perform the essential functions and responsibilities of the position and exhibit the skills and competencies of the grade level should be considered. Each higher-level degree, i.e., Master's Degree or Ph.D., may substitute for two years of experience. Related technical experience may be considered in lieu of education. Degree must be from a university, college, or school which is accredited by an agency recognized by the US Secretary of Education, US Department of Education.

Working Conditions

·   Work is performed in an office, laboratory, production floor, or clean room, outdoors or remote research environment.
·   May occasionally work in production work centers where use of protective equipment and gear is required.

· May access other facilities in various weather conditions.
· Travel and local commute between Ball campuses and other possible non-Ball locations may be required.

Security Clearance
Successful applicant for this position must be eligible to obtain a DoD clearance. A current DoD clearance is not required to be eligible for this position, however the successful applicant will be required to obtain a DoD clearance within a reasonable time after the offer is extended and must be able to maintain the applicable clearance. * US Citizenship is Required
Relocation:
Relocation for this position is NOT Available
EEO Statement
US CITIZENSHIP REQUIRED
Equal Opportunity Employer
Minority, Female, Disabled, Lesbian, Gay, Bi-sexual, Transgender and Veterans.
Job Title: Data Strategist (660968)
Job ID: 660968
Location: CO - Broomfield
Full/Part Time: Full-Time
Regular/Temporary: Regular

Seniority Level

Associate

Industry
· Electrical/Electronic Manufacturing
· Defense & Space

· Aviation & Aerospace

Employment Type

Full-time

Job Functions
· Business Development

5. Dannon – Senior Analyst

Job description

USD - Dannon, a subsidiary of Danone, is looking for Sr. Analyst - Supply Chain Analytics in United States (US) for Broomfield OR White Plains, NY
Danone is a global food company holding top positions in healthy food through its four businesses Fresh Dairy Products, Early Life Nutrition, Waters, and Medical Nutrition. Its mission, bringing health through food to as many people as possible, embodies commitment to

human progress and business success. It gives meaning to the work of our 100,000 Danoners worldwide on an everyday basis.

For passionate people looking for autonomy and exciting career opportunities, Danone truly has something special inside.

Sr. Analyst - Supply Chain Analytics is responsible for building new and improving existing Analytics/Reporting tools across multiple domains of Supply Chain. In addition, Sr. Analyst will manage business data sets and repositories, define and develop metrics, generate actionable business insight and proposed actions striving to identify, quantify, and help realize business value (top or bottom line) from such insights.

Sr. Analyst will work in hands-on manner facilitating discussion and requirements gathering with Business and IS stakeholders, developing designs, estimates, workplans; and executing, tracking, and reporting progress against milestones leveraging necessary business and analytics resources across domains and teams. Sr. Analyst may be responsible for delivering critical monthly/weekly business reports and dashboards.

Education And Experience (Requirements)

Analytical background - B.S. mathematics, computer science, engineering, etc.

Functional experience in at least one of Customer Collaboration and Insights, Logistics, Manufacturing or Procurement areas (more than one is a plus).

Experience developing comprehensive People, Process, and Technology enterprise analytics solutions

2-3 years of professional experience in Consumer Goods/Retail/general manufacturing or logistics business environments.

Knowledge, Skills and Abilities

Knowledge of Consumer Packaged Goods and/or Retail industries

Hands-on experience with ERP systems (SAP preferably).

Skilled in report design and development using Microstrategy, SAP BW, Power BI, Tableaus or similar.

Skilled in data management, data query, and insight generation. Knowledge of data management and data mining techniques and tools including one of - SQL, Python, R, etc.

Big data management and cloud platform experience (e.g. AWS) is a strong plus.

Data science expertise (statistics, correlation) is a strong plus.

Ability to pull data, develop data driven insights (root/cause analysis), develop data visualizations and data-driven storyboards to articulate business opportunities.

Ability to gather and document user requirements for reports and analytics; translate them to data and report architecture; develop functional specifications; develop implementation plans, build, test, train, and manage roll-outs of reports.

Strong collaboration and facilitations abilities across business and IS teams. - i.e. able to speak both business and technology language.

Key Linkages Logistics, Manufacturing, Finance, IS.

Strong discipline in developing technical and business documentation. Capture and track meeting minutes. Track and manage execution to workplan.

Continuous learning and business value orientation

Successful problem solving and critical thinking skills

For more information about Danone, its people and its business, please visit danone.com. We have something special inside, do you?

97747.Experience Experienced professionals

The Dannon Company is a US-subsidiary of Danone, a Fortune 500 company and one of the most successful health-focused food companies in the world with leading positions in fresh

dairy products, water, baby nutrition and medical nutrition. Danone's mission is to bring health through food to as many people as possible.

Our core values foster individual professional growth. We reward entrepreneurialism and innovation. There truly is something very special inside our company. You can see it reflected in our people, our products and our culture. If you like what you have learned, we encourage you to apply and learn more.

Dannon is an equal employment and affirmative action employer. All qualified applicants will receive consideration without regard to race, color, religion, disability, sex, sexual orientation, gender identity, national origin, age, veteran status, genetic characteristic or any other unlawful criterion.

http//www.dol.gov/ofccp/regs/compliance/posters/pdf/eeopost.pdf

https//www.dol.gov/ofccp/regs/compliance/posters/pdf/OFCCP_EEO_Supplement_Final_JRF_QA_508c.pdf

6. City of Greeley – Crime Analyst
Job Summary
The Crime Analyst is responsible for developing and providing crime analysis information to police operations and management and working cooperatively with other regional law enforcement agencies. The Crime Analyst uses a variety of data sources, manual and computerized applications to analyze and consolidate statistical information in the forms of reports, mapping, charts and graphs on a wide variety of subjects; tracks crime trends statistically; performs analysis of data, and responds to requests for information and research, and handles other projects as assigned.

Experience, Knowledge, Skills

- BA/BS degree in related field (criminology, statistics, information systems, GIS, etc.);
- Two years related experience (e.g., crime analysis, statistics, database adminisration);
- A combination of education and experience will be considered.
- Working knowledge of basic crime analysis and statistics as well as law enforcement techniques desired.
- Proficiency with word processing (Word), spreadsheet software (Excel), database (Access) presentation (PowerPoint), and report writing (Crystal Reports) software and MS Publisher.
- Knowledge and proficiency with ESRI products, statistical analysis and map publication desired;
- Valid driver's license and good driving record;
- English/Spanish bilingual skills desired.

Essential Functions

Must have the ability to:

- Write reports, using software such as Crystal Reports and mapping information provided through ESRI/ArcView, that provides relevant data for police work in an understandable format.
- Write narrative reports using tables, graphs, etc., to analyze, forecast, and describe trends:
- Produce accurate information in a timely manner.
- Use computer applications and information from a wide variety of sources to prepare reports, presentations, and maps providing information and analysis of crime data and crime patterns for use by department personnel, citizens, businesses, and community groups.
- Evaluate data and analyze crime data from databases defining crime trends; use statistical methodology to organize and report data; identify and report crime patterns and trends.
- Prepare statistics, data queries, or maps on demand; analyze beat and shift configurations; prepare information for community or court presentations; answer questions from the public and the press.
- Develop and perform journey-level professional and technical duties associated with systematically examining recent crime incidents in an effort to identify crime patterns and characteristics to permit the effective deployment of investigative and patrol personnel utilizing effective strategies and tactics.
- Develop reports on trends and patterns of criminal activity and anticipated criminal activity for purposes of apprehensions, prevention, and deployment.
- Write reports and correspondence with a demonstrated ability to articulate methodologies, prepare executive summaries, and be able to provide sufficient empirical data to justify statistical findings.
- Collect and analyze statistical and other data characteristics for crime occurrences.
- Prepare graphic illustrations as required for both in-house personnel and for public release.
- Maintain a set of performance measures at the division and agency level, drive reports, dashboards and discussions to interpret trends and propose corrective actions.
- Work with divisions in the Police Department to help define and develop intelligence led policing methodologies with analyses appropriate to their focus. Look for opportunities of data and intelligence sharing within the Police Department as well as with other agencies and the community.
- Be the "go-to" person with respect to gathering crime-related data, its interpretation, and how to use it in the daily operations of the Police Department
- Ability to present and communicate clearly to large groups of people at all levels of the criminal justice system.
- Assist with organizational and operations activities.
- Assist in the preparation and presentation of training materials.
- Conduct special studies and assignments.
- Perform other duties as appropriate or necessary for performance of the job.
-

Work Environment and Physical Requirements

WORKING ENVIRONMENT:
- Frequent contact with employees and other agencies - in person and on the telephone;
- Requires ability to perform multiple tasks at one time with frequent interruptions;
- Extended periods of time at a fixed work station;

PHYSICAL REQUIREMENTS:
- Verbal and hearing ability to communicate in face-to-face and one-to-one setting, using a telephone and in person;
- Ability to operate standard office equipment requiring continuous or repetitive hand/arm movements.
- Vision sufficient to interpret computer screens and documents to complete work assignments;
- Manual dexterity sufficient to accurately use a personal computer, typical office filing systems, etc.