Thinkful: Career planning document

This document will collect and organize your work in the career planning lesson of the prep course. Complete each section after reviewing the relevant assignment in the course material.

## **Section 1: Explore the landscape**

*Write your one to three paragraph reflection for assignment 4.1.1 here.*

Painting pictures and enlightenment are hobbies of mine. In my career, I’ve been the go-to guy to reduce a bunch of information into a few key concepts, usually through diagrams. I have a need to know, and seldom resist googling something if I’m curious about it.

I’ve seen many decisions in business be made on gut instinct instead of analysis. I want to develop the skill sets to reduce the guessing. I see enlightenment as responding appropriately to any given situation. Data science enlightens. The patterns are there ready to be gleaned.

At the intersection of programming and statistics, I see data science as the toolkit to find patterns in data and look for ways to model that data to affect the right variable and move the peg. I’d like to strengthen my modeling skills, and apply predictive and prescriptive analytics to business problems. If there’s a message in the data, I want to find it.

The assessment gave me feedback that I want to be strong in modeling and communicating. I also like finding creative solutions to problems. I’d like to work as a data scientist in a business context, turning the information in data into actionable insights. Some of areas of specialization may be NLP and machine learning, to tackle customer data and motivate business decisions.

## **Section 2: Job postings**

*Find five job postings you're very interested in and post them here. Focus on one city. Don't just post the links; job postings have a way of disappearing after a while.*

### Job 1

* + Company name: Systematrix Solutions
  + Title: Data Scientist
  + Why did you choose this job? They have a suite of products in a number or different fields, including machine learning, NLP, robotics. Some areas of company specialization include predictive and prescriptive analytics.
  + Link: <https://www.indeed.com/cmp/Systematrix-Solutions/jobs/Data-Scientist-3dd9549adb115c66?sjdu=QwrRXKrqZ3CNX5W-O9jEveJgZ7DRbh_ySwPONsqRa9b-1r5BISuVex-HcTiKbpZBI72q1fSZlbehlakN1JJhjA&tk=1c83ipmctb91mdb8&vjs=3>
  + [Link (in this document)](#Systematrix)

### Job 2

* + Company name: Emory University
  + Title: Data Analyst
  + Why did you choose this job? Experience requirements count school. Collaboration with content experts. Entry-level role.
  + Link: <https://www.smartrecruiters.com/Square/743999666386177>
  + [Link (in this document)](#Emory)

### Job 3

* + Company name: Square
  + Title: Data Scientist
  + Why did you choose this job? The position is in their Commerce Platform, so business oriented. It looks like I’ll be versed in the technologies they require by going through Thinkful. Experience requirements low.
  + Link: <https://www.indeed.com/viewjob?jk=762e39db24b9f2d9&tk=1c83lmoembuhketf&from=serp&vjs=3>
  + [Link (in this document)](#Square)

### Job 4

* + Company name: Airbus Aerial
  + Title: Computer Vision and Machine Learning Engineer
  + Why did you choose this job? They are combining drone software with infrastructure modeling. I have an engineering background and have worked with/sold 3d modeling software.
  + Link: <https://airbusaerial.applicantpro.com/jobs/669543.html>
  + [Link (in this document)](#Airbus)

### Job 5

* + Company name: Coca-Cola
  + Title: Data Scientist
  + Why did you choose this job? Coke has a high-volume of customer data. I know the Director I would report to.
  + Link: <https://cocacola.appvault.com/jobs/41318/cocacolacompanyrms/atlanta-ga/business-management-and-development/data-scientist/>
  + [Link (in this document)](#Coke)

## **Section 3: Your company hitlist**

*Find five dream companies (whether or not they're hiring data scientists right now) and add them to this hit list. Focus on the same city you did for job postings. Include a sentence about why you added each company.*

### Company 1

* + Company name: Delta
  + Why did you choose this company? Have large operations providing high volume of data. Just started hiring for data science.
  + <https://delta.greatjob.net/jobs/JobDescRequestAction.action?PSUID=c7b70986-4375-456c-ac8a-0bd94bdb5eaa>

### Company 2

* + Company name: Deloitte
  + Why did you choose this company? I can combine data science knowledge with business background in consulting.

### Company 3

* + Company name: Home Depot
  + Why did you choose this company? They are collecting a lot of user information and are developing their omnichannel strategy.

### Company 4

* + Company name: Google
  + Why did you choose this company? CEO has stated that the future of Google is AI.

### Company 5

* + Company name: General Electric, GE
  + Why did you choose this company? I can use statistical, machine learning and data modeling skills to build business products. They shoot to be #1 or #2 in the industries they play.

## **Section 4: Find your people**

*Add the data science related events in your area and find LinkedIn profiles for local data scientists working at the kind of job you want.*

### Local data science events:

* [Panel of Data Science Industry Leaders ~ Featuring Exclusively Female Panelists](https://meet.meetup.com/wf/click?upn=pEEcc35imY7Cq0tG1vyTtyN1oZWM8u9SrQtfeTflFY2KSaTunwAzobuZFVERoclepVyzWmUXGoot4sE6OyCMlIhdKMpBv-2FBW2CSQEzSC6k1hNIKq5xuuSefxBmOYp2KHSH-2FDWHUQRTEpdY31l7E2YJPqmrzBpDUnE-2FULG1K3NPMVa1WbhNSPcuIbLkex4hm1SCt60xJyKqmCx7oPiN7kKA-3D-3D_U-2BO-2BlQz0FeOHQ9haUtakIbalwmtKqTVvRM4zfukFO4XgwIg41g2FQKshnt6FRUTmFdf430vsNH5547svlz9hTB-2FSbmjUDxT5CLWdFNEWUGXxNOngFU8n-2Fo6FThwtQu8YufJwVoZYi1pyaTizOBS7vWwh-2BuSRGY8PeTrpSpjezL5RxzqzLlgHMG35zEjU0s1HyaSu2kffnIY3ukK0JMpNZ2Ya7GHo7C8gO5H38H1C13g-3D)
* [The Future of AI | Summoning the Demon: AI and the Future of Life on Earth](https://meet.meetup.com/wf/click?upn=pEEcc35imY7Cq0tG1vyTtykoeMBBAjO5r9n0TaV2bIVFq29fvgzY-2F3GS2SLi9fGKvVGUk4GiQVVzcXGlPrDL72mm3MIebgfDRw0bTomCbtHIyi-2Bnwx7Ie7RO7A5jBL8R2b4d-2F18zwt7IBZaihrFF9zEvnNvCE67OZIGI98jkaRxg3Fi3i9oTvzrQYBVhNklRYzap65QuAU6hhB435H0lvQ-3D-3D_U-2BO-2BlQz0FeOHQ9haUtakIbalwmtKqTVvRM4zfukFO4W5DuvAA4-2BB316CdBE-2BPlWtPLIoRmkg7DKR9pJ-2BLbCIE0PkX6UcWgu6f0ZU-2FaMZSJ0uuoK-2Fy6BcJTwhOL-2FiKNIqT-2BlazQ70JFTcaTxcA2dOGXEC1FHgr3-2BqJrs-2F9qRkM-2FW-2F5MHAzxGOuW9CdTZgCiI1mj7AKv4V0bA-2B7y-2B3vkD1ZO1fdfA6Ln7WrKpeGsttajg-3D)
* [\*Partner Event w/DSATL Moderating\* - Innovation Driven Through Data Science](https://www.meetup.com/Data-Science-ATL/events/248504198/)

### Local data scientist from a company on your hit list:

* Felipe Castrillon, Home Depot
* https://www.linkedin.com/in/felipe-castrillon-745b4863/
* Junior Level
* studied Civil Engineering, GA Tech
* Matthew Hagen, Home Depot
* <https://www.linkedin.com/in/matthewshagen/>
* Senior Level
* UM grad, GA Tech

### First or second degree connection in the industry:

* Andrew Roberts, Senior Data Scientist, AT&T, Emory grad - <https://www.linkedin.com/in/andrew-roberts-64b1462/>
* Haley Dorfman, Data Analyst, Allconnect, Emory grad - <https://www.linkedin.com/in/haleydorfman/>
* Mike Cooke, Associate Data Scientist, 360i, Emory grad - <https://www.linkedin.com/in/mikecooke1/>

## **Section 5: Write your own story**

*Make the work you've done so far concrete.*

### Describe your ideal job to an industry professional.

In my ideal job, my company has a large volume of customers and collects customer information at a demographic and purchasing level through active customer engagement. I work with cross-functional subject matter experts who have a stake in the company’s success. I use data mining and analytics, along with visualization to present insights for the business to capitalize on. I use machine learning and NLP to develop AI products. I use classification and regression on supervised learning problems. I apply neural networks and deep learning to build predictive data models.

### Describe the same job to a non-technical family member

My company has a customer-first mentality and seeks to use data to provide the best service or product possible. I work with smart, service-oriented people. I analyze customer behavior and find patterns that I present to my management using charts and graphs. We use these patterns to provide our customers with customized service offerings, based on their buying preferences. I help develop products that customers can interact with easily throughout their day.

### Draft your aspirational professional summary

### Executive data science and AI advisor with a passion for turning data into products, actionable insights and meaningful stories. I work for companies that have a high number of touchpoints with large populations of customers. I learn from my colleagues and pass on what I learn as well. I use supervised learning and unsupervised learning techniques to analyze data, solve problems and develop products. I serve as a subject matter expert and support the strategic direction of businesses by analyzing data and identifying opportunities for increased revenue. I help develop a suite of products that intelligently make life easier for customers through predictive and prescriptive analytics.

***Job Descriptions***

**Data Scientist**   
Systematrix Solutions -

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| --- |
| As a member of our data science team, you will be responsible for developing AI software that solves hard problems. We currently innovate within the banking, healthcare, agriculture, and energy industries, and are passionate about working as a team to explore new domains. Our data science team is comprised of experts in machine learning, natural language processing, computer vision, bioinformatics, robotics, and social network analysis, amongst other specializations. We would love to see how your skills complement our team and to provide you with the resources to enhance your career.  We are located in the business district of downtown Atlanta. We also offer a competitive salary and benefits. The data scientist position offered (Entry, Intermediate, Senior) will be based on industry experience, demonstrated proficiency in solving real-world problems, and other qualifications.  **Key Responsibilities**   * Developing new ideas for solving seemingly intractable problems * Implementing these ideas into an algorithmic solution as an individual or in collaboration with your teammates. * Communicating with our clients to ensure the proposed solution meets their needs and expectations * Pushing solutions into production and ensuring their stability * Working with our Graph Analytics / Social Network Analysis team to implement analytics that push the state-of-the-art forward within one of our central products.   **Minimum Qualifications**   * Bachelors degree in computer science, statistics, or related scientific field * Demonstrated proficiency in constructing an AI/machine learning solution outside of a classroom setting * 2+ years programming experience in Python, R, or Java * Coursework in AI, machine learning, data science, social network analysis, etc. * Ability to work in Atlanta, Georgia ( **remote work is not an option -** Relocation compensation may be provided) * Ability to work both as a team member and individually * Ability to learn new algorithms, techniques, technologies, etc. * **Demonstrated expertise in social network analysis/graph analytics/network science**   **Preferred Qualifications**   * MSc or PhD in computer science, statistics, or related scientific field * 1+ years of industry experience within AI/machine learning/data science * 3+ years programming experience in Python, R, or Java * Strong publications in journals or conferences * Expertise in natural language processing * Expertise in distributed computing, especially in implementing solutions with Apache Spark * Expertise in data visualization   If interested in this position, please complete the following questions and submit your answers, in addition to items listed at the bottom of this job post.  **Q.** Imagine you are asked to build a graph analytics framework to evaluate a set of 100 million customers. Each customer has a unique ID assigned to them, as well as other identifying information (e.g. Name, Address, Phone, E-mail, etc.), information about their customer behavior (e.g. customer start date, product subscriptions, etc.), and relationships between customers (e.g. Customer X and Customer Y share a phone number, etc.).   * How would represent and store the data? Why? * What would you use as a database for storing the data? * What sort of analytics would you perform on these data in order to detect unusual nodes or edges in the graph/network? Why? * How would you ensure these analytics were scalable? * What languages/tools/libraries would you use to accomplish this?   Please provide as much detail as possible for these questions, including citing specific algorithms, techniques, and pseudocode.  \*Please submit the following with your application   * **Resume/CV** * **Link to your LinkedIn Profile** * **Answers to the questions provided above** * **Earliest availability to start at the job** * **Phone number** * \*List of available times for a phone interview over two week period after date applied   \*  Job Type: Full-time  Required education:   * Master's |

**Data Analyst, Emory Division of Hospital Medicine**   
Emory University

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| --- |
| JOB OVERVIEW The Emory Division of Hospital Medicine (EDHM)’s Data Analyst will: - Manage data from multiple sources and assimilate these data into analytic datasets - Review and analyze Divisional operational data and develop reports and dashboards to communicate performance to a diverse group of stakeholders - Work with faculty and staff on study/project design and opportunities for improvement based on data - Collaborate with content experts across Emory University and Emory Healthcare to develop data-driven solutions for clinical inquiries and complex, multi-faceted quality improvement and/or research projects.  The Data Analyst must possess the knowledge and analytic skill, as well as understanding of databases and data management techniques to conduct analysis and problem assessment effectively, merge datasets, create and design evaluation processes, and develop reports and translational documents; perform quality assurance and operational redesign; and be able to report these results and make recommendations to division and department leadership. The Data Analyst must possess both the technical skill and expert communication skills to translate between the needs of administrative leaders, clinical researchers and technical data experts. The individual will have the potential to influence data infrastructure across Emory University with discoveries from research projects within the department and in collaboration with other departments. EMORY DIVISION OF HOSPITAL MEDICINE Emory’s Division of Hospital Medicine (EDHM), part of the Emory Department of Medicine, is a national leader in clinical care, education, and research.  Emory Hospitalists care for inpatients and provide consultation at six academic and community hospitals in the Atlanta metropolitan area. In addition to clinical work, the Division of Hospital Medicine focuses on excellence in teaching, research, and quality improvement. ABOUT EMORY UNIVERSITY Emory University is a leading university dedicated to promoting health worldwide through advanced biomedical research, graduate-level education in the life sciences and health professions, and excellence in patient care. It is the premiere university in Georgia and the Southeast focused on the health sciences.  REQUIRED QUALIFICATIONS • BA/BS degree and at least five years of experience and/or an equivalent combination of education and experience • Excellent technical skills, both in data management and analysis; and a high degree of proficiency with MS Access, MS Excel, and other analytical tools to manage database creation, data cleansing, and conducting analyses • Previous experience working with large, complex administrative datasets • Prior academic and/or healthcare experience in a complex academic and/or clinical health care environment • Experience and proficiency in establishing benchmarks for clinical performance and developing dashboards around these metrics • In-depth knowledge of research methodology, inferential, and statistical methods • Ability to communicate effectively with statisticians, researchers, and clinicians • Outstanding oral communication and negotiation skills, as the Analyst must be able to help sell the vision and Division’s strategic direction by persuading, influencing, and building consensus among providers and key players • Excellent written skills to support the high volume of email correspondence and develop written materials (e.g., abstracts, reports, and research proposals) that clearly summarize findings or convey teaching points • Project management experience and facility with project management tools • Exceptional problem solving skills and independent learning capacity • Effective communication/interaction skills for working with administrative leadership, investigators, other researchers (both on and off campus) and staff • Ability to work independently and with minimal supervision on multiple projects with competing deadlines • Attention to detail • Proven record of reliability and attendance  PREFERRED QUALIFICATIONS • Bachelor’s degree in Computer / Computational / Data Science, or Domain Sciences with computer / computational / data specialization or equivalent education and experience. • Master’s degree in Business Administration, Public Administration, Public Health or related discipline • Technical skills in 1) applied statistics, including parametric and non-parametric statistics, univariate as well as multivariate; 2) database design (SQL, MySQL, or similar), and their application to the management of clinical or health services data sets; and 3) knowledge of personal computer statistical analysis software (SAS, Stata, or similar) • Experience in developing or supporting academic products (e.g. manuscripts, workshops, poster presentations, etc.) • Experience in supporting academic physicians and trainees in QI and Patient Safety programs, including education and training |

Square: Data Scientist

As a Data Scientist at Square, you will lead projects that derive value from our unique, rich, and rapidly growing data. We’re a passionate team of hackers, statisticians, and optimizers who are resourceful in distilling questions, wrangling data, and driving decisions.

As a Data Scientist in the Commerce Platform team you will apply your modeling and engineering skills to a variety of challenging, high-impact projects in areas such as authentication and authorization, catalog and inventory management, orders and billing, and analytics and reporting.

You will:

* Drive cross-functional ML projects from beginning to end: build relationships with partner teams, frame and structure questions, develop data pipelines, train and optimize ML models, and deploy solutions in production.
* Work with engineers to evangelize data best practices and implement ML solutions.
* Collaborate with business leaders, subject matter experts, and decision makers to identify automation opportunities.
* Develop success criteria and optimize new and existing products, features, policies, and models.
* Communicate key results to senior management in verbal, visual, and written media.
* Help build an amazing suite of ML-driven products at Square

Qualifications

* An advanced degree (M.S., PhD.), preferably in Statistics, Computer Science, Physical Sciences, Economics, or a related technical field
* A consistent track record of performing data analysis using Python (numpy, pandas, scikit-learn, etc.) and SQL
* Experience using statistics and machine learning to solve complex business problems
* The versatility and willingness to learn new technologies on the job
* The ability to clearly communicate complex results to technical and non-technical audiences

Even Better:

* 2+ years industry experience in data science, machine learning, or analytics
* Familiarity with other data tools such as Hive, Vertica, Tableau, Ruby
* Familiarity with Linux/OS X command line, version control software (git), and general software development

Technologies we use and teach:

* Python (numpy, pandas, sklearn) & R
* MySQL, Vertica, Hive, Redshift
* Machine Learning (e.g. regression, ensemble methods, etc.)
* Statistics (Bayesian methods, experimental design, causal inference)
* Tableau, Looker

**Airbus**

Computer Vision and Machine Learning Engineer

Airbus is a global leader in aeronautics, space and related services.  In 2015, Airbus generated revenues of 64.5 billion and employed a workforce of around 136,600.

Airbus is a shareholder of the missile systems provider MBDA, a major partner in the Eurofighter consortium and owns a 50% stake in ATR, the turboprop aircraft maker, and Airbus Safran Launchers, the Ariane launcher manufacturer.

Airbus is a leading global manufacturer of Commercial Aircraft comprising highly successful families of aircraft ranging from 100 to over 600 seats.  In Defense and Space, Airbus is a European leader providing tanker, combat, transport and mission aircraft as well as space systems, equipment and services.  In Helicopters, Airbus is the world's No. 1 civil and parapublic helicopter manufacturer offering the world's widest range of civil and military helicopters.

**What is Aerial?**

Aerial brings together drone technology, high-altitude unmanned aircraft, satellite imaging infrastructure and analytical software into one common service offering for the commercial market. Our products give customers the ability to manage assets, support their customers and deliver new services in a new cost effective way leveraging aerial data. Aerial is a new startup division of Airbus, the global aerospace leader. We are building a state of the art and new-to-the-world capability, which will bring value to customers around the world. With applications ranging from disaster response, utility line inspections, insurance risk modeling to agriculture, the global aerial intelligence services market is expected to rapidly grow to $12.6 Billion by 2025 and we are leading the charge.

**Why Work for Aerial?**

As an autonomous unit within Airbus, we're also a part of one of the world's premier suppliers of aircraft, satellites, and defense hardware. We offer the best of both worlds: the speed, environment, and culture of a startup with the support and financial backing of a global aerospace pioneer. We have the freedom to move quickly, try new things, learn fast, and get products into market efficiently. We have a great team, casual dress code, plenty of snacks, drinks and coffee. Lots of employee engagement activities including happy hours, luncheons, other fun team building activities and incredible contemporary offices at Ponce City Market in the heart of Atlanta. Aerial also offers competitive compensation with the healthcare and PTO benefits of larger companies. In addition we offer 401k and pension plans making it easier to save for the long term.

It is the perfect combination of building innovative technology and products in an agile environment, with excellent support behind you.

**Position Summary:**

This position will work with Airbus Aerial software engineering and other innovation teams within Airbus to design computer vision algorithms for object detection, change detection using deep learning, and cloud processing for aerial imagery.  Further, the candidate must be able to package and communicate highly technical concepts to both technical and non-technical audiences. The candidate must also be capable of communicating new business ideas and concepts to a variety of stakeholders through whitepapers, presentations, and proposal responses.

**Primary Responsibilities:**

* Design and implement highly scalable computer vision algorithms using deep neural networks to extract rich information from drone, manned aircraft, and satellite aerial imagery.
* Rapidly iterate algorithms until accuracy requirements are met at scale.
* Significant, demonstrable algorithm prototyping experience in a higher-level programming language such as C/C++, Python, Go or Java.
* Significant, demonstrable experience with one or more scientific analysis and prototyping environments such as SciPy/NumPy stack, R, or MATLAB.
* Support build deployment, management and monitoring systems in production on the Cloud infrastructure related to the deep learning APIs.

**Additional Responsibilities:**

* Other duties as assigned.

**Qualified Experience / Skills / Training:**

***Education:***

* M.S., Ph.D., or commensurate experience in Computer Science or a related field (Mathematics, Statistics, Physics or Electrical and/or Computer engineering) with a strong focus on deep learning.

***Experience:***

* Minimum of 2-3 year's experience in image processing, computer vision and/or machine learning; industry experience is a plus.
* Proficient in architecting, training and analyzing CNNs for Object Detection, Change Detection and Image Segmentation
* Proficient with automated analysis of satellite or aerial images a plus.
* Proficient in Image Processing, Image Analysis, and/or Computer Vision.
* Fluent in Python, C++, MATLAB, Java, Go or any proficient AI language of choice.
* 1+ years of machine learning using deep neural networks and associated libraries (Keras + TensorFlow, and other deep learning frameworks.
* Experience with cloud computing (Google Cloud Platform (GCP), Azure or similar).
* Experience working in previous startups is preferred.
* Solid software engineering skills

***Communication Skills (Spoken, Written, Influencing, Proficiency in Other Languages):***

* Strong command of English, written and verbal.
* Knowledge of other European languages (German, French, Spanish, etc.) would be advantageous.

***Travel Required:***

* 20% Domestic and International

***Citizenship:***

* US citizenship required

**Nature of Contacts:**

Involved Communication on a regular basis with internal and external parties.

Coca – Cola: Data Scientist

**Job ID:**41318  
  
Position Overview:

The Data Scientist will perform activities to support technical data and information analysis and reporting across key technical governance applications and platforms, collaborate with key business stakeholders to optimize and streamline reporting and metrics, and implement solutions to create better business value. This position will work under the guidance and direction of the Analytics and Insights Director, and will actively collaborate with extended team members from Data Intelligence team.

**Function Specific Activities:**

The Data Scientist will perform activities to support technical data and information analysis and reporting across key technical governance applications and platforms, collaborate with key business stakeholders to optimize and streamline reporting and metrics, and implement solutions to create better business value. This position will work under the guidance and direction of the Analytics and Insights Director, and will actively collaborate with extended team members from Data Intelligence team.

Function Related Activities/Key Responsibilities

* Work on the process of translating technical objectives into defined problems that can be solved by applying data science
* Help to design algorithms to address current technical problems
* Work closely with data analysts in the team to apply advanced analytics, modelling and simulation to replicate and anticipate issues.
* Uncover new technical problems that need to be solved and support better decision
* Communicate data analysis and insights using rich visualization tools (Tableau/MicroStrategy) and leverage data to present compelling cases to optimize solutions
* Perform exploratory data analysis, generate and test working hypothesis, and uncover important trends and relationships
* Provide expertise on mathematical concepts and inspire adoption of advanced analytics

Education Requirements:    
Master's Degree in applied statistics, applied math, or related quantitative discipline

Related Work Experience:    
0-2 years of relevant experience

* Experience with relational databases, information and insights
* Experience with modelling software, data mining techniques and methodologies
* Experience with visualization software (Tableau, MicroStrategy)
* Experience leveraging cloud platforms and developing in SQL
* Superior critical thinking, analytical and problem-solving skills.
* Passionate, creative and forward thinking individual

Leadership Behaviors:

* Drive Innovation:  Generate new or unique solutions and embrace new ideas that help sustain our business (encompassing everything from continuous improvement to new product and package innovation)
* Collaborate with System and Stakeholders:  Develop and leverage relationships with stakeholders to appropriately stretch and impact the System (Company and Bottler)
* Act Like an Owner:  Deliver results, creating value for our brands, our System, our customers and key stakeholders
* Inspire Others:  Inspire people to deliver our mission and 2020 Vision, demonstrate passion for the business and give people a reason to believe anything is possible
* Develop Self and Others:  Develop self and support others' development to achieve full potential

Growth Behaviors:

* Growth Mindset:  Demonstrates Curiosity.  Welcomes failure as a learning opportunity.
* Smart Risk:  Makes bold decisions/recommendations
* Externally Focused:  Understands the upstream and downstream implications of his/her work.  Tracks and shares external trends, best practices, or ideas.
* Performance Driven & Accountable:  Has high performance standards.  Outperforms her/his peers.
* Fast/Agile:  Removes barriers to move faster.  Experiments and adapts.  Thrives under pressure and fast pace.
* Empowered:  Brings solutions instead of problems.  Challenges the status quo.  Has the courage to take an unpopular stance.

Functional Skills:

* Capture Info/Assess/Make Recommendation. Capture information, assess it and make recommendations to Company management (e.g., senior technical management) or give the KO system information about emerging business opportunities, technology capabilities or scientific breakthroughs to offer solutions to technical problems and/or affect the Company's strategic direction.
* Gather/Org Info to Support Senior Mgmt. Decision. Gather and organize information to support senior management's decision-making during a crisis situation.
* Performance Data Audit to Ensure Accuracy. Perform data audit in order to ensure accuracy of data and analytical processes. This may include database queries, statistical process control or correlation study.
* Query Technical Governance Systems/Compile Reports. Query Technical Governance Systems and compile reports in response to ad hoc management requests or arrange for Global IT to run more complex queries.
* Review Data for Completeness/Consistency. Review data for completeness and consistency in formula and/or regulatory databases, tracking systems, supplier documentation, etc.
* Report/Analyze/Interpret Data. Report, analyze or interpret technical governance data in order to communicate information on the quality of products and packages in manufacturing or the marketplace.
* Search External Databases. Search external and/or internal computerized databases in response to inquiries from scientists or to provide information to management or the field.
* Apply Basic Statistical Tests/Methods. Apply basic statistical tests and methods to data in order to support Company decision-making by ensuring validity and statistical relevance.
* Work on the process of translating technical objectives into defined problems can be solved by applying data science
* Help to design algorithms to address current technical problems
* Work closely with data analytics in the team to apply advanced analytics, modelling and simulation to replicate and anticipate issues

**Job Requirements:**

**Years of Experience:**

**Leadership Behaviors:**

* DRIVE INNOVATION: Generate new or unique solutions and embrace new ideas that help sustain our business(encompassing everything from continuous improvement to new product and package innovation).
* COLLABORATE WITH SYSTEM, CUSTOMERS, AND OTHER STAKEHOLDERS: Develop and leverage relationships with stakeholders to approximately stretch and impact the System (Company and Bottler).
* ACT LIKE AN OWNER: Deliver results, creating value for our Brands, our System, our customers, and key stakeholders.
* INSPIRE OTHERS: Inspire people to deliver our mission and 2020 Vision, demonstrate passion for the business and give people a reason to believe anything is possible.
* DEVELOP SELF AND OTHERS: Develop self and support others' development to achieve full potential.

**Growth Behaviors:**

* GROWTH MINDSET: Demonstrates curiosity. Welcomes failure as a learning opportunity.
* SMART RISK: Makes bold decisions/recommendations.
* EXTERNALLY FOCUSED: Understands the upstream and downstream implications of his/her work. Tracks and shares external trends, best practices or ideas.
* PERFORMANCE DRIVEN AND ACCOUNTABLE: Has high performance standards. Outperforms her/his peers.
* FAST/AGILE: Removes barriers to move faster. Experiments and adapts. Thrives under pressure and fast pace.
* EMPOWERED: Brings solutions instead of problems. Challenges the status quo. Has the courage to take an unpopular stance.