



Houston Consult Ltd  
Management Consultants

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## Job Description – Data Science Analyst

1. Job information	
Job Title	Data Science Analyst
Department	Strategy
Location	Head Office
Number of posts	2
Job Grade	H
Surname and Initials of Employee	
Reports to (job title)	Data Science Manager
Direct reports	

## 2. Job Purpose

The Data Science Analyst will be responsible for designing, developing, and deploying advanced analytics, statistical modelling, and machine learning solutions that drive data-led decision-making across Naivas. The role involves applying advanced analytical techniques, machine learning, and statistical modelling to solve complex problems related to category growth, pricing & promotion, e-commerce analytics, and loyalty programs.

### 3.1 Key responsibilities

- Design, build, and deploy predictive and prescriptive models to forecast sales, personalize customer experience, predict churn, and optimize assortment, pricing and promotions.
- Apply advanced statistical and ML techniques such as regression, clustering, decision trees, deep learning, NLP.
- Leverage the business' cloud infrastructure (Microsoft Azure + Snowflake) to access, process, and optimize large datasets for analytics and modelling.
- Collaborate with data engineers to design data pipelines and ensure clean, structured, and scalable data flows.
- Analyse and interpret large complex datasets to identify trends, patterns, and insights that can inform business strategy.
- Define customer segments, optimize loyalty programs, and design data-driven marketing campaigns using advanced analytics.
- Develop and maintain clear, compelling dashboards and reports to track KPIs and communicate findings using Power BI.
- Drive innovation projects such as customer behaviour prediction, store performance analytics, and omni-channel personalization.
- Partner with cross-functional teams, including marketing, commercial, and operations to understand business needs and translate them into data-driven solutions.
- Stay up to date with new technologies and methodologies in data science and machine learning. Propose and implement innovative solutions to improve efficiency and competitive advantage.

### 3.2 Key Performance Indicators

- **Business Impact:** Incremental revenue growth, cost savings, or margin improvement attributed to data science initiatives.
- **Model development:** Number of predictive/prescriptive models developed and successfully adopted by business teams.
- **Model performance:** % of models deployed into production that meet or exceed agreed accuracy / performance thresholds.
- **Timely delivery of reports:** Average time from project scoping to model deployment (speed-to-insight).
- **Insights & Visualization:** Number of automated dashboards/reports delivered that are actively used by stakeholders.
- **Stakeholder satisfaction:** Stakeholder satisfaction score on clarity and usefulness of insights shared.

## 3. Job Specification

### 4.1 Minimum Knowledge/Qualification requirements

	Requirements	Essential/Desirable
Educational Qualification	Bachelor's degree in Data Science, Statistics, Computer Science, Mathematics, or related field.	Essential
Professional Qualification	Data Science certificate	Essential

### 4.2 Work Experience requirements (*work experience*)

Work Experience requirements for the role	2 years' experience as a Data Science Analyst, preferably in retail, FMCG, or e-commerce.	Essential
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### 4.3 Skills (key skills and personal attributes)

Specific skill requirements for the role e.g.	<ul style="list-style-type: none"><li>• Strong programming skills in SQL, Python and/or R. Proficiency with ML frameworks like scikit-learn, TensorFlow, PyTorch.</li><li>• Solid understanding of statistical analysis, predictive modelling, and experimental design.</li></ul>	Essential
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Negotiation, Presentation etc	<ul style="list-style-type: none"> <li>● Experience with Microsoft Azure or other cloud-native data architectures.</li> <li>● Experience with data visualization tools such as Tableau, Power BI, or similar.</li> </ul>	
Personal attributes required for the role	<ul style="list-style-type: none"> <li>● Analytical thinking</li> <li>● Problem-solving</li> <li>● Effective communication skills</li> <li>● Team player</li> <li>● Interpersonal skills</li> <li>● Creativity/Innovativeness</li> <li>● Integrity</li> <li>● Confidentiality</li> </ul>	Essential

#### 4. Work Context and Environment

Type of Working Hours:	Usually daytime working Regular additional hours as required	
Working Hours:	Monday – Friday: 8:00am – 5:00pm Saturday: 8:00am – 1:00pm	45 hours
Travel required:	None	

### How to apply

If you believe you are the right candidate and can clearly demonstrate your abilities to meet the criteria above, please send CV and cover letter to [info@houstonconsult.com](mailto:info@houstonconsult.com) by Friday 17<sup>th</sup> October 2025

