



# Job Description Document

## Farm Data Analyst

**Position Title:** Farm Data Analyst

**Company:** Syntegral Global Solutions, Inc.

**Location:** Zamboanga del Sur, Philippines

**Reports To:** Chief Technology Officer (CTO)

### **Position Summary:**

Syntegral Global Solutions, Inc. (SGS) is seeking a skilled and detail-oriented **Data Analyst** to collect, analyze, and interpret data related to farmers, their coconut production, and the logistical challenges of establishing buying stations. This role will involve gathering data from farmers regarding their interest in selling coconuts to Syntegral, their farm details, and other related information. The Data Analyst will also analyze data from the Philippine Coconut Authority (PCA) and provide insights that will aid in the optimal placement of coconut buying stations in proximity to processing facilities. The ideal candidate will have a strong background in data collection, analysis, and visualization, particularly in the context of agriculture or supply chain logistics.

### **Key Responsibilities:**

1. **Data Collection and Farmer Interviews:**
  - Identify and interview farmers in targeted regions to assess their interest in selling coconuts to Syntegral.
  - Collect personal background information about farmers, including their farm ownership status, volume of trees, harvesting volume, and harvesting frequency.
  - Ensure accurate and complete data collection, including gathering relevant information on farm locations, productivity, and farmer demographics.
2. **Farm and Coconut Production Data Analysis:**
  - Analyze farm-level data related to coconut production, including volume of trees per farm, frequency of coconut harvesting, and other productivity metrics.
  - Work with internal stakeholders to identify key data points that will help in assessing the feasibility of sourcing coconuts from different regions.
  - Collaborate with the PCA and use PCA-provided data to supplement farmer-level insights, ensuring a holistic view of coconut production across the region.
3. **Logistical Analysis of Road Networks:**
  - Assess the road network and geographical layout of farming regions to determine the best routes and access points between farms and processing facilities.
  - Analyze proximity of farms to Syntegral's coconut processing facilities and use this data to recommend the most strategic locations for coconut buying stations.
  - Identify potential logistical challenges and opportunities in transporting coconuts from farms to processing facilities.
4. **Data Integration and Reporting:**
  - Work with the Chief Technology Officer (CTO) and other teams to integrate farmer and production data with Syntegral's internal systems and blockchain-based supply chain solutions.
  - Produce clear and actionable reports that highlight key findings from data analysis, including maps, charts, and other visualizations that depict the relationship between farm locations and proposed buying stations.
  - Prepare recommendations for management based on data analysis, focusing on improving supply chain efficiency and ensuring alignment with company goals.
5. **Utilizing Philippine Coconut Authority (PCA) Data:**
  - Utilize all relevant data from the PCA regarding farmer and farm details to provide deeper insights into coconut production trends, farm productivity, and regional distribution.
  - Cross-reference PCA data with field data collected from farmers to ensure accuracy and consistency.

- Provide data-driven insights that will guide strategic decision-making related to farmer outreach, coconut sourcing, and infrastructure planning.
- 6. **Data Quality and Accuracy:**
  - Ensure the quality, accuracy, and integrity of all collected data, performing regular data checks and validation processes.
  - Collaborate with other departments to identify data needs and implement solutions to enhance the collection, management, and analysis of relevant data.
  - Maintain and update the farmer and farm database as needed, ensuring that all information is up-to-date and accurate.
- 7. **Collaboration with Internal Teams:**
  - Work closely with the operations, finance, and logistics teams to ensure that data insights align with broader company objectives.
  - Collaborate with the technology and digital teams to ensure smooth integration of data into Syntegral's blockchain systems and other operational platforms.
  - Support other teams by providing data insights that improve operational performance, logistical planning, and farmer engagement strategies.

### Qualifications:

- **Education:** Bachelor's degree in Data Science, Statistics, Agriculture, Supply Chain Management, Economics, or a related field. Advanced degrees or certifications in data analytics are a plus.
- **Experience:**
  - 3+ years of experience in data analysis, preferably within the agriculture, supply chain, or logistics sectors.
  - Experience in conducting field research, data collection, and data analysis, particularly in rural or agricultural settings.
  - Experience working with GIS (Geographic Information Systems) and mapping tools is an advantage.
- **Skills:**
  - Strong analytical skills with the ability to collect, organize, analyze, and disseminate significant amounts of data with attention to detail and accuracy.
  - Proficiency in data analysis software (e.g., Excel, SQL, Python, R) and data visualization tools (e.g., Tableau, Power BI).
  - Familiarity with data collection methodologies, database management, and reporting.
  - Strong communication skills with the ability to present data-driven insights and recommendations to non-technical stakeholders.
  - Familiarity with blockchain technology and its application in supply chains is an advantage but not required.
- **Attributes:**
  - Strong problem-solving skills and the ability to think critically and analytically about complex data sets.
  - Self-starter with the ability to work independently and as part of a cross-functional team.
  - Strong organizational skills with the ability to manage multiple projects and deadlines.
  - Detail-oriented and committed to data accuracy and quality.

### Compensation:

- Competitive salary based on experience.
- Opportunity to work in a dynamic, sustainability-focused environment.



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### About Syntegral Global Solutions, Inc.:

Syntegral Global Solutions is a leader in sustainable agribusiness and agroforestry development, leveraging cutting-edge technology to drive transformational change in the coconut, abaca, and marine industries. With a strong commitment to ESG principles, SGS aims to empower communities, reduce poverty, and create long-term value for its stakeholders.

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This job description outlines the key responsibilities and qualifications for the **Data Analyst** role at Syntegral Global Solutions, ensuring that data-driven insights support the company's strategic goals and operational needs, particularly in optimizing the placement of coconut buying stations

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