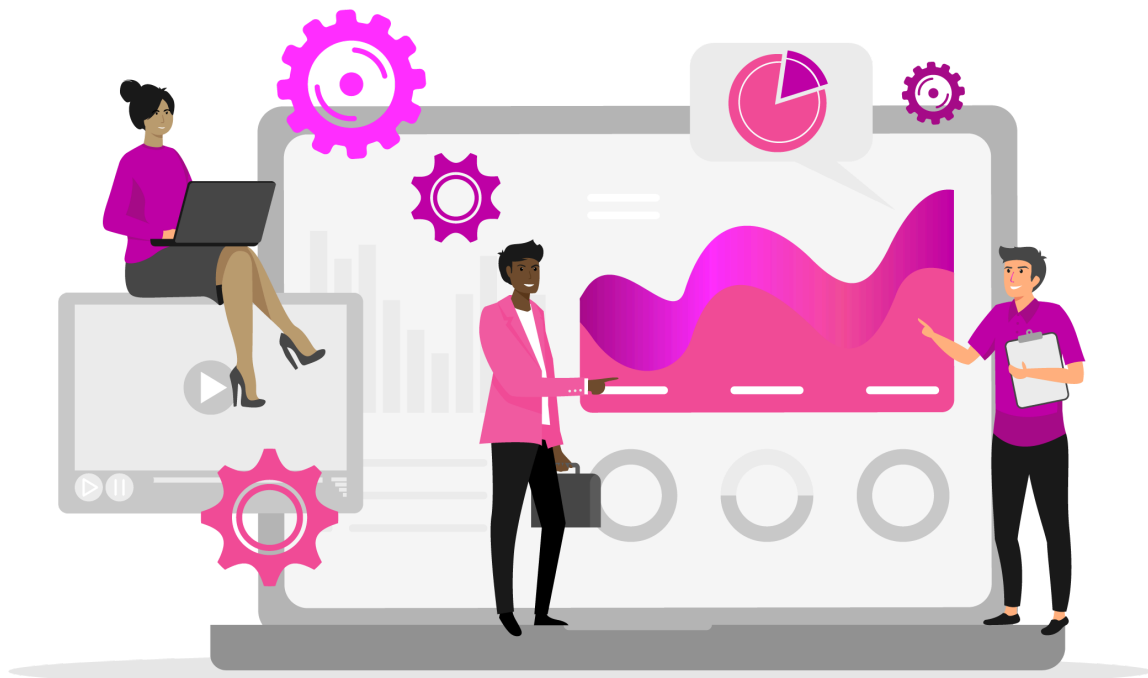


Page: W1P9 - Data Analyst - Clustering Analysis

As the Data Analyst specialising in Clustering Analysis, your primary responsibility is to employ advanced clustering algorithms to segment customers based on similarities in tenure and monthly charges. This role will also be responsible for conducting an in-depth analysis of various requirement-gathering methods and performing a data-centric analysis.






Some of the major responsibilities for this role include:

- Utilise a clustering algorithm to segment customers based on similarities in tenure and monthly charges.
- Determine the optimal number of clusters using techniques like the elbow method.
- Train the clustering model on the dataset and interpret the resulting clusters.
- Visualise and label the clusters to facilitate interpretation and actionable insights.
- Communicate findings and insights to other team members for further analysis.

See the basic activity breakdown for this role based on Module structure.

Activity Breakdown for the Data Analyst - Predictive Modeling role by project stages

	Stage 1	Stage 2	Stage 3
Output	<ul style="list-style-type: none"> • Read the project description and gather requirements needed to have the best understanding of the project's vision and goals • Attend virtual team meetings and contribute based on your role • Establish project goals and objectives • Complete all required training courses • Complete your assigned tasks for the Project Charter and report to the PM 	<ul style="list-style-type: none"> • Review and select a proper clustering algorithm to segment customers. • Review and select a proper method for defining the optimal number of clusters • Determine the optimal number of clusters • Train the clustering model on the dataset • Interpret the resulting clusters • Visualise and label the clusters • Participate in all team meetings • Attend virtual team meetings and contribute based on your role • Complete all required training courses 	<ul style="list-style-type: none"> • Communicate findings insights to other team members for further • Help the other team for drafting the final report • Attend virtual team and contribute based on your role • Complete all required courses
Skill set pathway	<u>ACS WILDA Stage1- Project Planning</u>  (https://acs-preview.percipio.com/track/44137147-287c-42db-ae00-8b8aec8e9574)	<u>ACS WILDA Stage2- Data Analyst- Predictive Modeling</u>  (https://acs-preview.percipio.com/track/1cf1610b-3a73-4229-84fd-12bd7d1252f1)	<u>ACS WILDA Stage3 -Data Analyst- Predictive Modeling</u>  (https://acs-preview.percipio.com/track/1cf1610b-3a73-4229-84fd-12bd7d1252f1)
Total internship hours	60-70 Hours	100 - 110 Hours	100 - 110 Hours