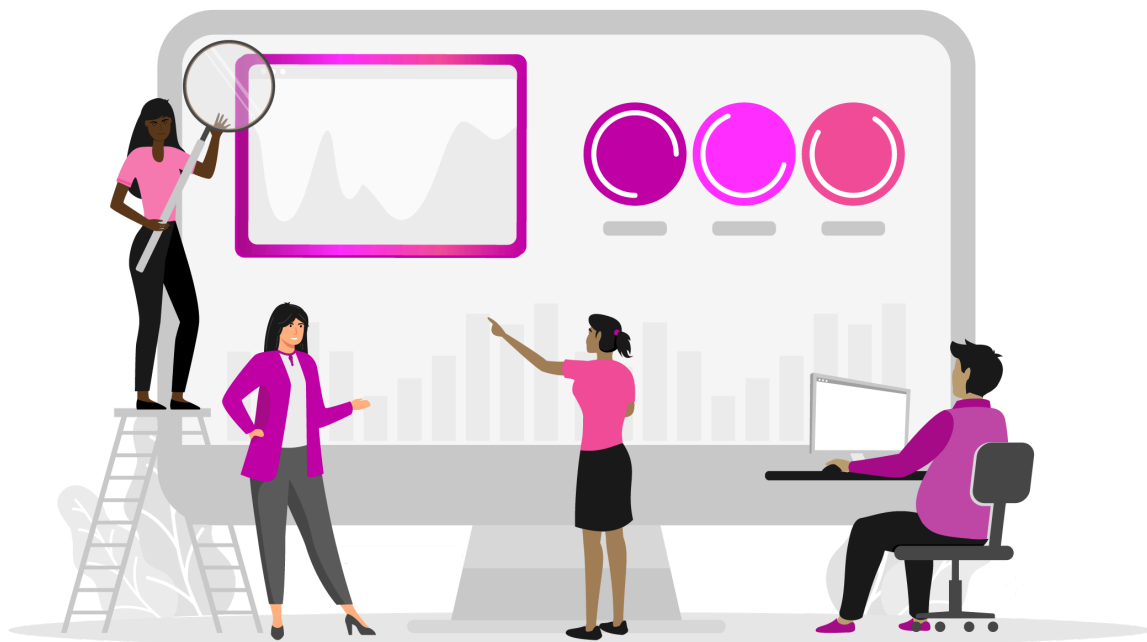


Page: W1P8 - Data Analyst - Predictive Modeling

As a Data Analyst specialising in Predictive Modeling, your role is pivotal in leveraging advanced analytical techniques to forecast customer churn behaviour for our telecommunications company.



Your responsibilities include:

- Define the architecture of the ANN model
 - Configure the network architecture by specifying input, hidden, and output layers.
 - Train the ANN model using the provided dataset and optimise model convergence.
 - Use the trained model to predict customer churn based on critical attributes and behaviours.
 - Evaluate the model's predictive performance and analyse the accuracy of churn predictions.
 - Document and communicate findings to other team members and stakeholders.

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

Activity Breakdown for the Data Analyst - Clustering Analysis 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 • Complete all required training courses 	<ul style="list-style-type: none"> • Communicate findings to other team members for further insights • Help the other team for drafting the final report. • Participate in all team meetings • Complete all required training courses
Skill set pathway	<u>ACS WILDA Stage 1- Project Planning</u>  <u>https://acs-preview.percipio.com/track/e2f918f6-5d23-4369-82db-83dd6e0d633e</u>	<u>ACS WILDA Stage 2- Data Analyst-Clustering</u>  <u>https://acs-preview.percipio.com/track/59a777d7-0d8c-496b-8d90-79a00be7d791</u>	<u>ACS WILDA Stage 3- Data Analyst- Clustering</u>  <u>https://acs-preview.percipio.com/track/8d3d-45aa-8305-340d2a2</u>
Total internship hours	60-70 Hours	100 - 110 Hours	100 - 110 Hours