Work breakdown structure for adVAE: Alzheimer's Data Variational Autoencoder

Activity 1: Set up GitHub repository	,
☐—Push SRS and Datasets.md to remot ☐—Push WBS to remote repository	ce repository
Activity 2: Create WBS document	
☐—Add tasks from Problem 1 ☐—Add tasks from Problem 2	
Activity 3: Source Training Data	
□ Look up databases online for gene e. □ Identify example – training – validatio □ Perform sanity checks on data source.	on – test data split
Activity 4: Preprocess example dat	a for developing the model
 □ Create function to read example gen □ Clean data by removing missing valu □ Normalize data □ Scale data 	·
Activity 5: Perform exploratory data	a analysis on example dataset
☐ Visualize the dataset using appropria☐ Compute relevant statistics (mean,☐ Identify data distribution	
Activity 6: Construct VAE architect	ure
□ Define class for VAE model□ Build VAE network	
Activity 7: Implement auxiliary scrip	ots
 □ Code utility functions such as weigh evaluation, reconstruction loss eval □ Create script for training model 	t initialization, hyperparameter tuning, KL loss uation, validation metrics etc.