Q1: What’s your experience with statistical models/machine learning? Any recent projects? Techniques used?

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Q2: Provide an example of modelling an extremely imbalanced dataset for a binary classification problem and techniques used?

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Q3: Describe Bias Variance trade-off for model selection? How do you measure bias/variance? What is regularisation? What is L1/L2?

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Q4: What is an activation function, provide example of an activation function used in a recent project and why? What is vanishing gradient? How would you resolve it?

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Q5: Bagging (Do you use weak learners in bagging?) Boosting (what does learn rate do in boosting? Does boosting reduce bias or variance?)

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Q6: You are assigned a new data analytics project. How will you begin with and what are the steps you will follow?

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