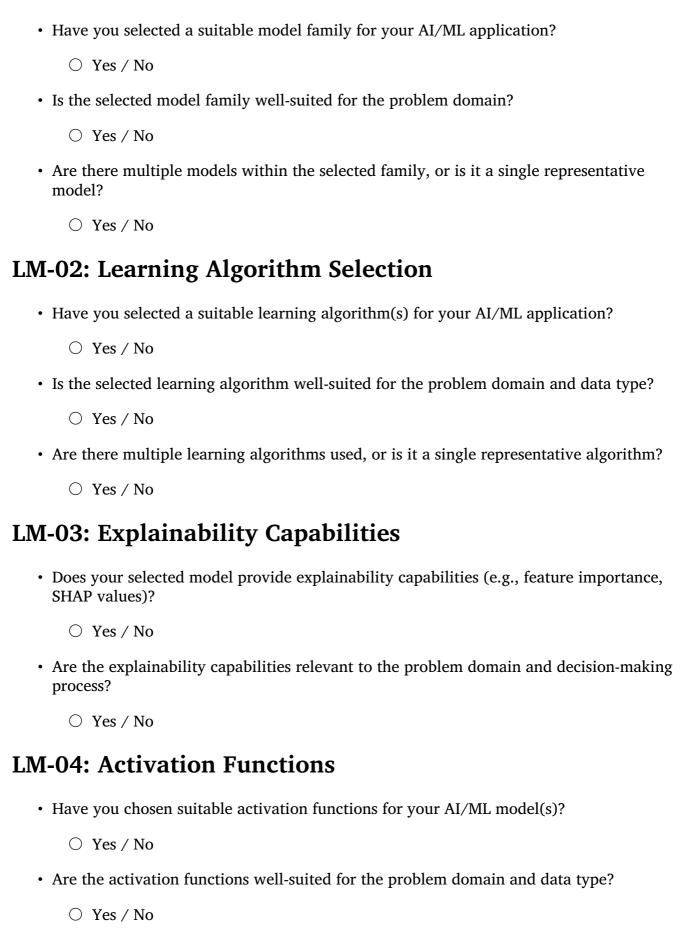
Here is the generated checklist in Markdown format:

## LM-01: Model Family and Selection



## LM-05: Cost/Loss Function Selection

<ul> <li>Have you selected a suitable cost/loss function for your AI/ML application?</li> </ul>
○ Yes / No
<ul> <li>Is the selected cost/loss function relevant to the performance metrics and decision- making process?</li> </ul>
○ Yes / No
LM-06: Model Bias and Variance Metrics
<ul> <li>Have you quantified the model bias and variance metrics (e.g., mean squared error, R-squared)?</li> </ul>
○ Yes / No
<ul> <li>Are the model bias and variance metrics acceptable for your AI/ML application?</li> </ul>
○ Yes / No
LM-07: Model Robustness and Stability
<ul> <li>Have you assessed the robustness and stability of your AI/ML model(s) to different inputs, noise, and outliers?</li> </ul>
○ Yes / No
<ul> <li>Are the model robustness and stability metrics acceptable for your AI/ML application?</li> </ul>
○ Yes / No
LM-08: Training Environment
<ul> <li>Have you identified a suitable training environment (hardware and software) for your AI/ML application?</li> </ul>
○ Yes / No
• Is the training environment well-suited for the problem domain and data type?
○ Yes / No
LM-09: Model Parameters Initialization Strategy
<ul> <li>Have you chosen a suitable model parameters initialization strategy (e.g., random, k-means)?</li> </ul>

• Is the initialization strategy relevant to the problem domain and decision-making

○ Yes / No

process?
○ Yes / No
LM-10: Hyperparameters Identification and Setting
<ul> <li>Have you identified and set hyperparameters for your AI/ML model(s)?</li> </ul>
○ Yes / No
• Are the hyperparameters well-suited for the problem domain and data type?
○ Yes / No
LM-11: Expected Performance with Training, Validation and Test Sets
<ul> <li>Have you evaluated the expected performance of your AI/ML model(s) on training, validation, and test sets?</li> </ul>
○ Yes / No
<ul> <li>Are the expected performances acceptable for your AI/ML application?</li> </ul>
○ Yes / No
LM-12: Model Verification and Validation
<ul> <li>Have you verified and validated your trained AI/ML model(s)?</li> </ul>
○ Yes / No
<ul> <li>Is the verification process well-suited for the problem domain and decision-making process?</li> </ul>
○ Yes / No