# ☐ Smart Health: Model Ranking Leaderboard

| Model Name | Accuracy | Precision | Recall | F1-Score |
|---|---|---|---|---|
| Model Name | Accuracy | Precision | Recall | F1-Score |
| Standard MLP (Neural) | 0.9034 | 0.9103 | 0.9034 | 0.9044 |
| Deep Neural Network (Sequential | 0.9024 | 0.9112 | 0.9024 | 0.9042 |
| Random Forest (Ensemble) | 0.9015 | 0.9108 | 0.9015 | 0.902 |
| Logistic Regression (Linear) | 0.901 | 0.9159 | 0.901 | 0.9028 |
| Wide Neural Network (Heuristic) | 0.9005 | 0.9106 | 0.9005 | 0.9008 |
| Extra Trees (Variance-Reduce) | 0.8995 | 0.9096 | 0.8995 | 0.9001 |
| Gradient Boosting (Strength) | 0.8995 | 0.9088 | 0.8995 | 0.9004 |
| SVM (Radial kernel) | 0.8956 | 0.9109 | 0.8956 | 0.897 |
| Decision Tree (Logic) | 0.8951 | 0.9061 | 0.8951 | 0.8961 |
| K-Neighbors (Geometry) | 0.8839 | 0.8858 | 0.8839 | 0.8826 |
| AdaBoost (Adaptive) | 0.2702 | 0.4548 | 0.2702 | 0.3102 |

Performance Heatmap per Architecture

| Model Name | Accuracy | Precision | Recall | F1-Score |
|---|---|---|---|---|
| Standard MLP (Neural) | 0.9034 | 0.9103 | 0.9034 | 0.9044 |
| Deep Neural Network (Sequential) | 0.9024 | 0.9112 | 0.9024 | 0.9042 |
| Random Forest (Ensemble) | 0.9015 | 0.9108 | 0.9015 | 0.9020 |
| Logistic Regression (Linear) | 0.9010 | 0.9159 | 0.9010 | 0.9028 |
| Wide Neural Network (Heuristic) | 0.9005 | 0.9106 | 0.9005 | 0.9008 |
| Extra Trees (Variance-Reduce) | 0.8995 | 0.9096 | 0.8995 | 0.9001 |
| Gradient Boosting (Strength) | 0.8995 | 0.9088 | 0.8995 | 0.9004 |
| SVM (Radial kernel) | 0.8956 | 0.9109 | 0.8956 | 0.8970 |
| Decision Tree (Logic) | 0.8951 | 0.9061 | 0.8951 | 0.8961 |
| K-Neighbors (Geometry) | 0.8839 | 0.8858 | 0.8839 | 0.8826 |
| AdaBoost (Adaptive) | 0.2702 | 0.4548 | 0.2702 | 0.3102 |

Side-by-Side Model Comparison