# 4 model on BreastCancerWisconsin(Diagnostic) ADASYN

# RF reports:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Class/Metric | precision | recall | f1-score | support |
| B | 0.94 | 0.94 | 0.94 | 68.00 |
| M | 0.95 | 0.95 | 0.95 | 75.00 |
| accuracy | 0.94 | 0.94 | 0.94 | 0.94 |
| macro avg | 0.94 | 0.94 | 0.94 | 143.00 |
| weighted avg | 0.94 | 0.94 | 0.94 | 143.00 |

# RF accuracy

0.9440559440559441

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# ADABoost reports:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Class/Metric | precision | recall | f1-score | support |
| B | 0.98 | 0.93 | 0.95 | 68.00 |
| M | 0.94 | 0.99 | 0.96 | 75.00 |
| accuracy | 0.96 | 0.96 | 0.96 | 0.96 |
| macro avg | 0.96 | 0.96 | 0.96 | 143.00 |
| weighted avg | 0.96 | 0.96 | 0.96 | 143.00 |

# ADABoost accuracy

0.958041958041958

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# XGBoost reports:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Class/Metric | precision | recall | f1-score | support |
| B | 0.97 | 0.90 | 0.93 | 68.00 |
| M | 0.91 | 0.97 | 0.94 | 75.00 |
| accuracy | 0.94 | 0.94 | 0.94 | 0.94 |
| macro avg | 0.94 | 0.94 | 0.94 | 143.00 |
| weighted avg | 0.94 | 0.94 | 0.94 | 143.00 |

# XGBoost accuracy

0.9370629370629371

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# LGBM reports:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Class/Metric | precision | recall | f1-score | support |
| B | 0.98 | 0.91 | 0.95 | 68.00 |
| M | 0.93 | 0.99 | 0.95 | 75.00 |
| accuracy | 0.95 | 0.95 | 0.95 | 0.95 |
| macro avg | 0.95 | 0.95 | 0.95 | 143.00 |
| weighted avg | 0.95 | 0.95 | 0.95 | 143.00 |

# LGBM accuracy

0.951048951048951