**Team 1 (OCD) Experiment Results Summary (200720)**

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**GCN Experiment Results**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Code** | **Age** | **Dx** | **Brain-ICV (adjusted)** | **Brain-ROI Selection** | **N** | **Internal Validation Accuracy (%)** | **Test-Set Accuracy (%)** |
| **Diagnosis Prediction** | GCN | Total | Total | N | N | 4,372 | 54.26490 | 53.07597 |
| RF | Total | Total | N | N | 4,372 | 58.01721 | 56.49708 |
| SVM | Total | Total | N | N | 4,372 | 58.11828 | 59.40195 |
| LR | Total | Total | N | N | 4,372 | 58.50451 | 57.86623 |
| MLP | Total | Total | N | N | 4,372 | 56.85265 | 56.49545 |
| GCN | Total | Total | N | Y (23) | 4,372 | 50.37977 | 49.94091 |
| RF | Total | Total | N | Y (23) | 4,372 | 56.90980 | 57.86646 |
| SVM | Total | Total | N | Y (23) | 4,372 | 55.01791 | 54.55390 |
| LR | Total | Total | N | Y (23) | 4,372 | 54.86613 | 56.09351 |
| MLP | Total | Total | N | Y (23) | 4,372 | 54.82778 | 54.89999 |
| GCN | Total | Total | Y | N | 4,372 | 54.39778 | 53.93377 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Age** | **Dx** | **Brain-ICV (adjusted)** | **Brain-ROI Selection** | **N** | **Internal Validation Accuracy (%)** | **Test-Set Accuracy (%)** |
| **Severity binary-Classification** | Total | Total | N | N | 967 | 57.32604 | 56.36598 |
| Total | Total | Y | 967 | 59.21005 | 57.09192 |
| Total | Dx 1 | N | 748 | 61.52493 | 62.16577 |
| Total | Dx 1 | Y | 748 | 59.10448 | 59.23063 |
| Adult | Total | Y | 842 | 55.16103 | 53.92017 |
| Pediatric | Total | Y | 225 | 63.01951 | 65.88933 |
| Adult | Dx 1 | Y | 675 | 57.74461 | 58.07726 |
| Pediatric | Dx 1 | Y | 161 | 52.72660 | 49.08088 |
| Adult | Total | N | 842 | 54.52754 | 53.68627 |
| Pediatric | Total | N | 225 | 65.71707 | 68.91304 |
| Adult | Dx 1 | N | 675 | 59.34548 | 60.15803 |
| Pediatric | Dx 1 | N | 161 | 54.59113 | 59.55882 |