|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Classifier** | **Younger (18-35)** | | | **Middle Aged (36-55)** | | | **Older (>55)** | | |
| **Male** | **Female** | **Total Accuracy** | **Male** | **Female** | **Total Accuracy** | **Male** | **Female** | **Total Accuracy** |
| Linear | 87.6% | 29% | 62% | 51% | 63% | 58% | 22% | 88% | 61% |
| Non-Linear (RBF) | 97% | 1% | 58% | 29% | 77% | 54% | 0 | 100% | 59% |
| Non-Linear (Poly) | 85% | 35% | 63% | 42% | 71.5% | 58% | 20% | 89% | 61% |

**Accuracy using HOG**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Classifier** | **Younger (18-35)** | | | **Middle Aged (36-55)** | | | **Older (>55)** | | |
| **Male** | **Female** | **Total Accuracy** | **Male** | **Female** | **Total Accuracy** | **Male** | **Female** | **Total Accuracy** |
| Linear | 93.7% | 89% | 91.7% | 91.7% | 91.1% | 91.4% | 91.4% | 96% | 94% |
| Non-Linear (RBF) | 100% | 0% | 56.5% | 0% | 100% | 52.5% | 0 | 100% | 59% |
| Non-Linear (Poly) | 95% | 93% | 95.5% | 94.3% | 94.6% | 94.5% | 94.5% | 97.2% | 96% |