Input shape: 25x25x1

Summary Table of our best model

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Layer | | Feature Map | Kernel Size | Activation | Stride |
| Input | Image | 1 | - | - | - |
| 1 | 2xConvolution | 32 | 3x3 | RELU | 1 |
|  | Max Pooling | 32 | 3x3 | RELU | 1 |
| 3 | 2xConvolution | 64 | 3x3 | RELU | 1 |
|  | Max Pooling | 64 | 3x3 | RELU | 1 |
| 5 | FC | - | - | RELU | - |
| 6 | FC | - | - | RELU | - |
| Output | FC | - | - | SOFTMAX | - |

This model is supposed to be something like the VGG-16 architecture.

We added dropout regularisation with a rate equal to 0.25.