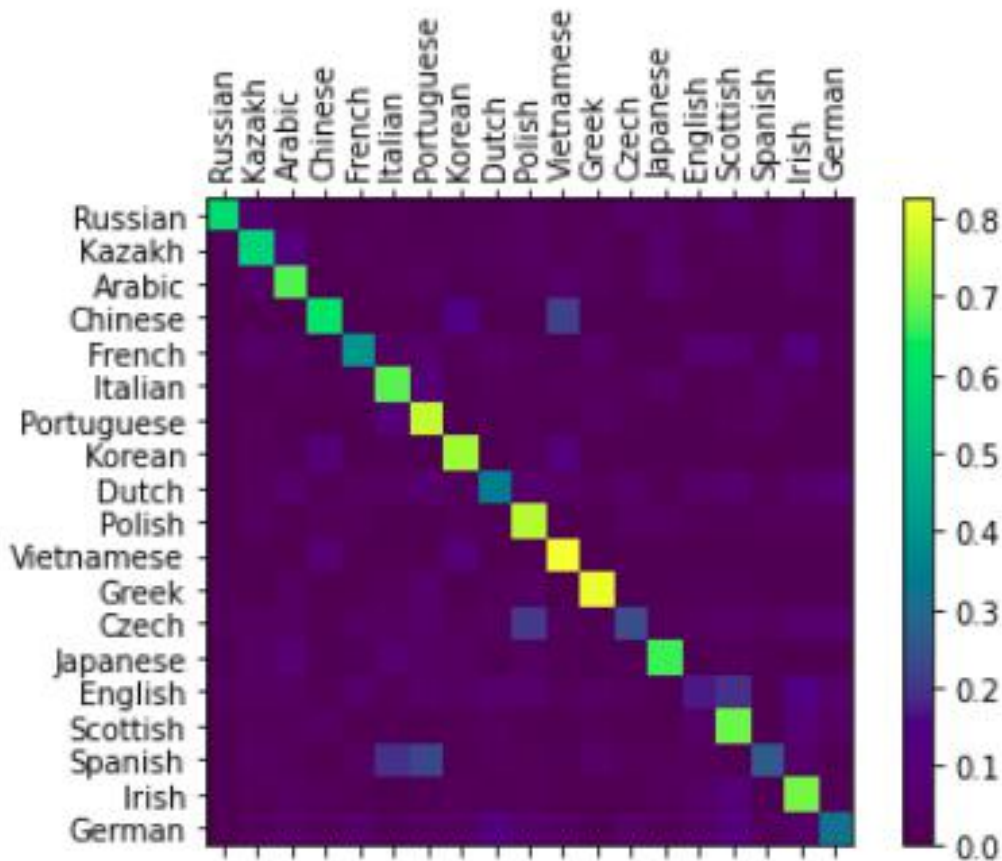


# Report



**Figure 1.** confusion matrix

Here is my final confusion matrix. It can be seen that the network performs quite accurately in different categories including Kazakh. The rows represent actual languages and columns represent the languages predicted by the network. Since the brightest spots are mainly on the diagonal it can be concluded that languages match.

```
> Abay
(-0.14) Kazakh
(-3.28) Arabic
(-3.59) Irish

> Ilyas
(-0.52) Kazakh
(-2.06) Arabic
(-2.22) Greek

> Zhansultan
(-1.03) Scottish
(-1.78) Kazakh
(-1.87) English
```

**Figure 2.** Results on user input

The Figure 2. shows the results on my input. It can be seen that actual Kazakh names are guessed to be Kazakh by the network.