Dialogue systems LT2216, Göteborgs Universitet

Lab 3 report, 21/2/2024

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For the first part of the lab, I chose to work with some of the Moomin characters. Upon my first trials, it looked like the ASR's performance with these names was quite low. The ASR failed to recognize any of the character names, apart from Thingumy and Bob (however, the confidence score was rather low).

After having trained and deployed a model using Custom Speech, ASR utterance accuracy increased considerably (even though the model was still not able to correctly recognize all of the characters' names). The confidence scores went up in most of the utterances.

Moomin Character:	Utterance guess and confidence score *before* having trained and deployed a custom speech (ASR) model	Utterance guess and confidence score *after* having trained and deployed a custom speech (ASR) model
Snorkmaiden	{utterance: 'Snark Maiden', confidence: 0.5777518}	{utterance: 'Snork Maiden', confidence: 0.5891198}
Snufkin	{utterance: 'Snuffkin', confidence: 0.15644598}	{utterance: 'Snufkin', confidence: 0.3354446}
Fillyjonks	{utterance: 'Philly junks', confidence: 0.44312}	{utterance: 'Filly junks', confidence: 0.29354325}
Mymble	{utterance: 'Mimbo', confidence: 0.09293474}	{utterance: 'Mimble', confidence: 0.23649834}
The Hobgoblin	{utterance: 'The Hub Goblin', confidence: 0.4721706}	{utterance: 'The hobgoblin', confidence: 0.6440037}
Too-Ticky	{utterance: 'CIIMTXO tiki', confidence: 0.41317883	{utterance: 'Too Tiki?', confidence: 0.5397356}
Stinky	{utterance: 'Stinky', confidence: 0.5179214}	{utterance: 'Stinky', confidence: 0.5982816}
Hemulens	{utterance: "Hamilton's", confidence: 0.40909523}	{utterance: 'Hamulans', confidence: 0.232206}
The Hattifattiners	{utterance: 'The Hatifatiners', confidence: 0.6205829}	{utterance: 'The Hattifatiners', confidence: 0.5424629}
Thingumy and Bob	{utterance: 'Thingamy and Bob', confidence: 0.38879508}	{utterance: 'Thingamy and Bob', confidence: 0.4996353}

Model's Endpoint ID: 2a752250-8140-451b-a405-5895b9fa1ddf