Text-to-Speech (TTS) Synthesis

Try out some on-line text-to-speech synthesizers. Think about what types of text words and phrases the synthesizer is likely to produce incorrectly and WHY. In class we discussed seven different types of potential errors; your notes from this lecture would be a good place to start. Remember that the more fancy or commercial the synthesizer, the less likely it will probably be to make mistakes. So try some humdrum synthesizers as well. Turn in the following pages filled out. You will be trying three different text strings. Each should attempt to test for a different type of error. Try each of the text strings on three different synthesizers and report whether they produced the string accurately/appropriately or not. If not, describe precisely the nature of the error.

Here are some sites to get started with but don’t feel that you have to limit yourself to these. Any search engine will be able to find many others.

http://morph.ldc.upenn.edu/cgi-bin/ltts/list

http://www.cs.bham.ac.uk/~jpi/museum.html

http://www.bell-labs.com/project/tts/index.html

http://morph.ldc.upenn.edu/cgi-bin/ltts/ltts

http://www.research.att.com/~mjm/cgi-bin/ttsdemo

http://wwwtios.cs.utwente.nl/say/form
Text String 1

Exact Text String Typed:

Describe the type of error that you think might occur. That is, what specific part of the test text string are you testing for accuracy or appropriateness of pronunciation:

Synthesizer 1

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):

Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):

Synthesizer 2

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):
Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):

**Synthesizer 3**

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):

Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):
Text String 2

Exact Text String Typed:

Describe the type of error that you think might occur. That is, what specific part of the test text string are you testing for accuracy or appropriateness of pronunciation:

Synthesizer 1

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):

Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):

Synthesizer 2

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):
Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):

**Synthesizer 3**

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):

Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):
Text String 3

Exact Text String Typed:

Describe the type of error that you think might occur. That is, what specific part of the test text string are you testing for accuracy or appropriateness of pronunciation:

Synthesizer 1

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):

Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):

Synthesizer 2

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):
Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):

**Synthesizer 3**

Exact Website address:

Name of synthesizer (if more than one at this website):

Parameter settings specified for synthesizer (if there are any choices):

Result (either 'no error' or describe precisely what the machine said (use IPA if helpful) and why this production was inaccurate or inappropriate):