Jeremy — EIWL Sections 35, 36

In[104]:=
```
Interpreter["Location"]["Eiffel Tower"]
```
Out[104]=
```
GeoPosition[{48.8583, 2.29444}]
```

In[105]:=
```
Interpreter["University"]["U of T"]
```
Out[105]=

University of Toronto

In[106]:=
```
Interpreter["Chemical"][#] & /@ {"C2H4", "C2H6", "C3H8"}
```
Out[106]=

{ethylene, ethane, propane}

In[107]:=
```
Interpreter["Date"]["20140108"]
```
Out[107]=

Wed 8 Jan 2014

In[108]:=
```
Cases[Interpreter["University"][
  StringJoin["U of ", #] & /@ ToUpperCase[Alphabet[]]], _Entity]
```
Out[108]=

{University of Birjand, University of California-Berkeley, The University of Edinburgh, University of Georgia, University of Houston, University of Illinois at Urbana-Champaign, University of Lethbridge, University of Michigan-Ann Arbor, University of Phoenix-Online Campus, University of Regina, University of Saskatchewan, University of Toronto}

In[109]:=
```
Cases[Interpreter["Movie"][CommonName[#] & /@
```
all US states with District of Columbia ADMINISTRATIVE DIVISIONS [capital city] ••• ✓
```
], _Entity]
```
Out[109]=

{Phoenix, Honolulu, Topeka, Annapolis, Lincoln, Santa Fe, Expedition: Bismarck, Columbus, Providence, Nashville, Olympia, Madison, Cheyenne}

In[110]:=
```
Cases[Interpreter["City"][
  StringJoin[#] & /@ Permutations[{"a", "i", "m", "l"}, 4]], _Entity]
```

Out[110]=
{Los Angeles, Li, Ami, Ali, Ila, Mal, Laï, Lam, Lia, Amli, Alim, Balm, Ilam, Mali, Milah, Mali, Lami, Lima, Lamai}

In[111]:=
```
WordCloud[
 Cases[Interpreter["Country"][TextWords[WikipediaData["gunpowder"]]], _Entity]]
```

Out[111]=

In[112]:=
```
TextCases["She sells seashells by the sea shore", "Noun"]
```

Out[112]=
```
{seashells, sea, shore}
```

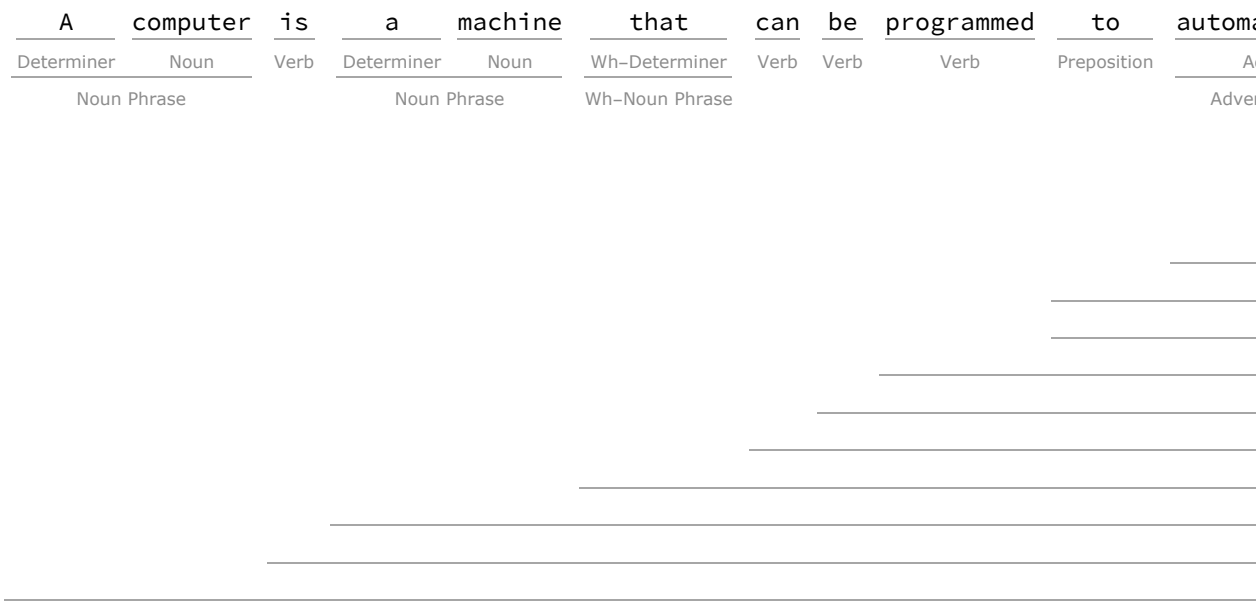
In[113]:=
```
Length[TextCases[StringTake[WikipediaData["computers"], 1000], #]] & /@
 {"Noun", "Verb", "Adjective"}
```

Out[113]=
```
{54, 23, 20}
```

In[114]:=

```
TextStructure[TextSentences[WikipediaData["computers"]][[1]]]
```

Out[114]=



In[115]:=

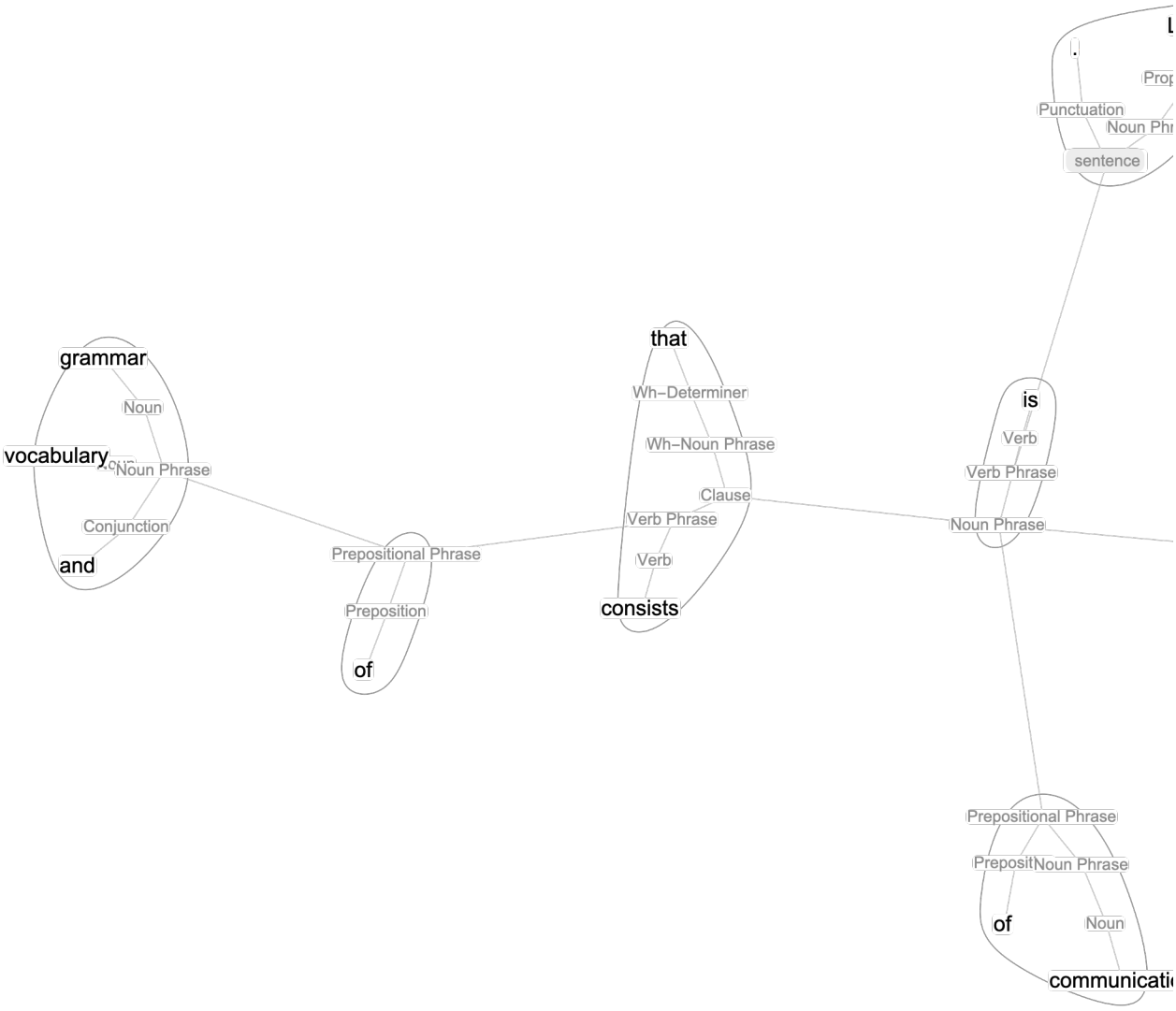
```
Keys[TakeLargest[
  Counts[TextCases[ExampleData[{"Text", "AliceInWonderland"}], "Noun"]], 10]]
```

Out[115]=

{Rabbit, door, voice, time, way, Mouse, moment, thing, head, table}

In[116]:=
```
CommunityGraphPlot[First[TextStructure[
   First[TextSentences[WikipediaData["language"]]], "ConstituentGraphs"]]]
```

Out[116]=



In[117]:=
```
Length[Flatten[TextCases[WordList[], #]]] & /@ {"Noun", "Verb", "Adjective", "Adverb"}
```

Out[117]=
```
{22 728, 5894, 7146, 2824}
```

In[118]:=
```
Flatten[Table[WordTranslation[IntegerName[n], "French"], {n, 2, 10}]]
```

Out[118]=
```
{deux, trois, quatre, cinq, six, sept, huit, neuf, dix}
```

In[119]:=
```
CloudPublish[Delayed[Style[RandomInteger[1000], 100]]]
```
Out[119]=
```
CloudObject[https://www.wolframcloud.com/obj/4b8f5f56-9abd-4402-b6e1-e614d48e0ce5]
```

In[120]:=
```
CloudPublish[FormFunction[{"x" → "Number"}, #x^#x &]]
```
Out[120]=
```
CloudObject[https://www.wolframcloud.com/obj/21d0a94e-3a6c-4b48-a00a-a6be2387e2df]
```

In[121]:=
```
CloudPublish[FormFunction[{"x" → "Number", "y" → "Number"}, #x^#y &]]
```
Out[121]=
```
CloudObject[https://www.wolframcloud.com/obj/a88ee3d7-45fc-4d03-9a33-98538660b688]
```

In[122]:=
```
CloudPublish[
 FormFunction[{"topic" → "String"}, WordCloud[TextWords[WikipediaData[#topic]]] &]]
```
Out[122]=
```
CloudObject[https://www.wolframcloud.com/obj/36a56a45-fe76-48e7-b55e-a87c9057eb9b]
```

In[123]:=
```
CloudPublish[
 FormFunction[{"string" → "String"}, Style[StringReverse[#string], 50] &]]
```
Out[123]=
```
CloudObject[https://www.wolframcloud.com/obj/841b9f3e-d84f-4e42-9b16-ae3d5857a448]
```

In[124]:=
```
CloudPublish[Delayed[FormFunction[{"n" → "Integer"},
    Graphics[Style[RegularPolygon[#n], RandomColor[]]] &]]]
```
Out[124]=
```
CloudObject[https://www.wolframcloud.com/obj/049a2799-475b-423b-9eaf-c192d7e5c5f8]
```

In[125]:=
```
CloudPublish[FormFunction[{"location" → "Location", "n" → "Number"},
  GeoListPlot[GeoNearest["Volcano", #location, #n]] &]]
```
Out[125]=
```
CloudObject[https://www.wolframcloud.com/obj/ace4c664-d34f-498b-839e-12c142768659]
```