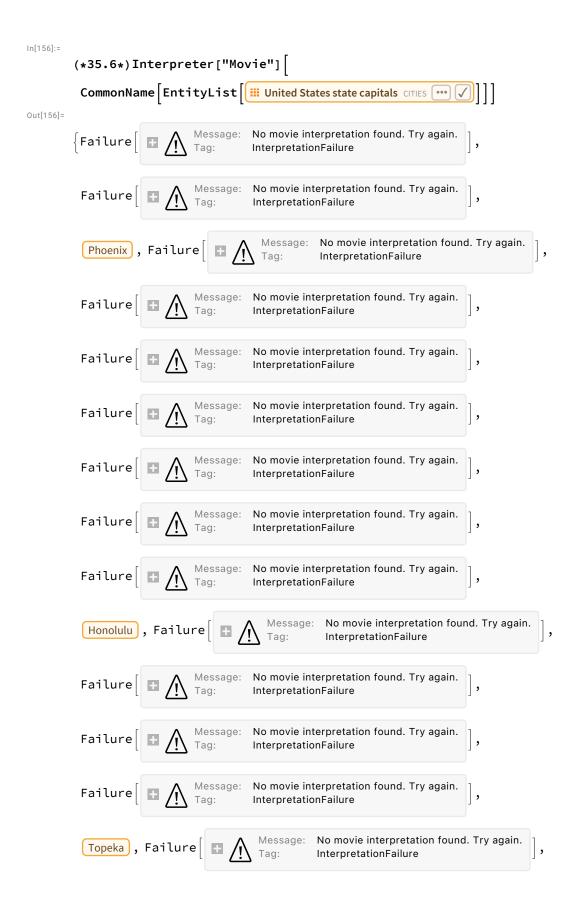
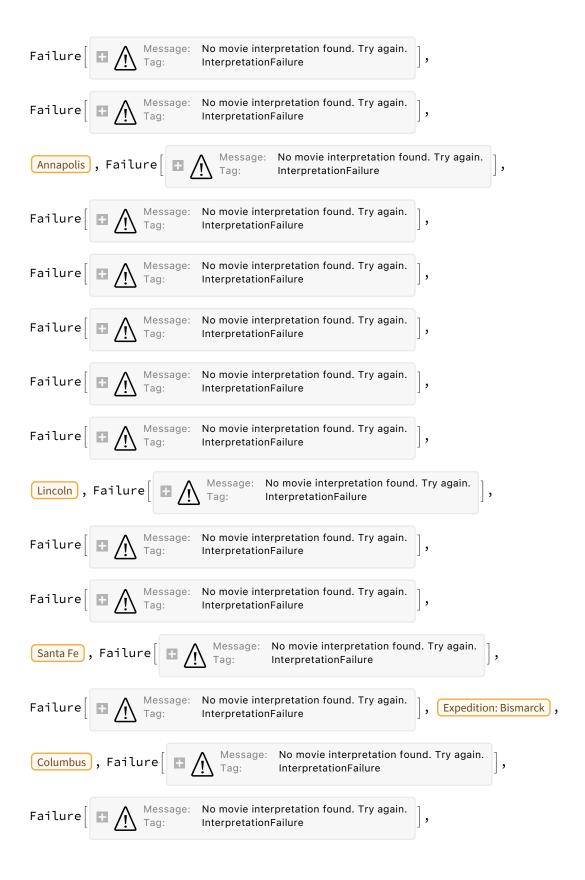
Eli — EIWL Sections 35, 36

```
In[151]:=
       (*35.1*) Interpreter["Location"]["eiffel tower"]
Out[151]=
       GeoPosition[{48.8583, 2.29444}]
In[152]:=
       (*35.2*)Interpreter["University"]["U of T"]
Out[152]=
        University of Toronto
In[153]:=
       (*35.3*) Interpreter["Chemical"][{"C2H4", "C2H6", "C3H8"}]
Out[153]=
        ethylene, ethane, propane
In[154]:=
       (*35.4*) Interpreter ["Date"] ["20140108"]
Out[154]=
       Wed 8 Jan 2014
In[155]:=
       (*35.5*) Interpreter ["University"] [
        Table[StringJoin["U of ", Capitalize[FromLetterNumber[x]]], {x, 26}]]
```

Out[155]= Failure Message: No university interpretation found. Try again. InterpretationFailure University of Birjand University of California-Berkeley , Failure Message: No university interpretation found. Try again. InterpretationFailure The University of Edinburgh , Failure Message: No university interpretation found. Try again. InterpretationFailure University of Georgia , University of Houston , University of Illinois at Urbana-Champaign , Failure Message: No university interpretation found. Try again. InterpretationFailure Failure Message: No university interpretation found. Try again. InterpretationFailure University of Lethbridge University of Michigan-Ann Arbor, Failure Message: No university interpretation found. Try again. InterpretationFailure Failure Message: No university interpretation found. Try again. InterpretationFailure University of Phoenix-Online Campus Failure Message: No university interpretation found. Try again. InterpretationFailure University of Regina , University of Saskatchewan , University of Toronto Failure Message: No university interpretation found. Try again. InterpretationFailure Failure Message: No university interpretation found. Try again. InterpretationFailure Failure Message: No university interpretation found. Try again. InterpretationFailure Failure Message: No university interpretation found. Try again. InterpretationFailure Failure Message: No university interpretation found. Try again. InterpretationFailure

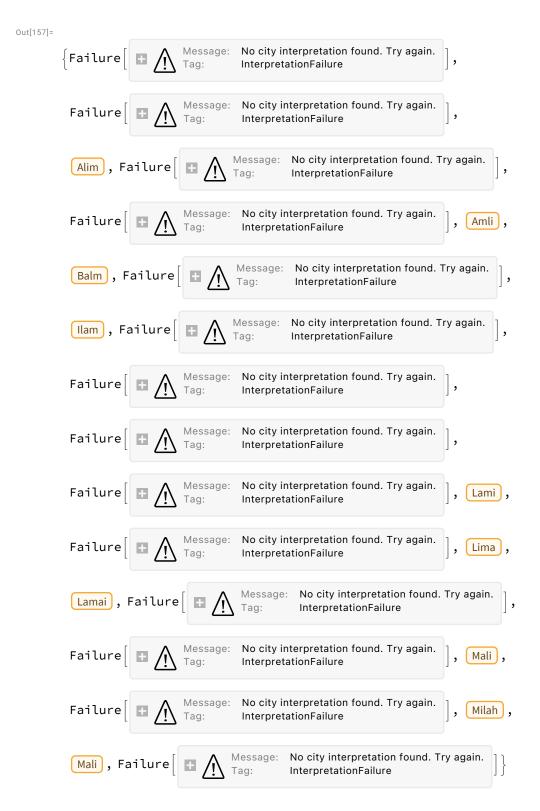
Failure Message: No university interpretation found. Try again. InterpretationFailure







(*35.7*) Interpreter["City"] [StringJoin[#] & /@ Permutations[{"a", "i", "l", "m"}]]



```
In[158]:=
       (*35.8*)WordCloud[TextCases[WikipediaData["gunpowder"], "Country"]]
Out[158]=
                           United Kingdom
           Ireland
           Australia
                                                Japan
            Persian
                                                 Italy
                     Persia
             British
                                                 Bengal
              Greek
```

```
In[159]:=
       (*35.9*)TextCases["She sells sea shells by the sea shore", "Noun"]
Out[159]=
       {sea, shells, sea, shore}
In[160]:=
       (*35.10*) Length[#] & /@
       Values[TextCases[StringJoin[Characters[WikipediaData["Computers"]][1;; 1000]]],
          {"Noun", "Verb", "Adjective"}]]
Out[160]=
       {54, 23, 20}
```

In[161]:=

(*35.11*)TextStructure[TextSentences[WikipediaData["computers"]][1]]

Out[161]=

Out[165]=

	A	computer	15	a	macnine	tnat	can	be	programmed		automa
	Determiner	Noun	Verb	Determiner	Noun	Wh-Determiner	Verb	Verb	Verb	Preposition	А
Noun Phrase			Noun	Phrase	Wh-Noun Phrase					Adve	

```
In[162]:=
       (*35.12*) Keys [Reverse [Sort [Counts [
             TextCases[ExampleData[{"Text", "AliceInWonderland"}], "Noun"]]]][1;; 10]]
Out[162]=
       {Rabbit, door, voice, time, Mouse, way, moment, thing, head, garden}
In[163]:=
       (*35.13*)words := TextWords[TextSentences[WikipediaData["language"]][[1]]];
      words
Out[164]=
       {Language, is, a, structured, system, of,
        communication, that, consists, of, grammar, and, vocabulary}
In[165]:=
       CommunityGraphPlot[words[\#]] \rightarrow words[\#+1]] \& /@ Range[Length[words]-1]]
```

```
In[166]:=
       (*35.14*) Length[#] & /@ Values[TextCases[
          StringJoin[Riffle[WordList[][1;;50], Table[" ", Length[WordList[][1;;50]]]]],
          {"Noun", "Verb", "Adjective", "Adverb"}]]
        (*My computer hates the whole wordlist*)
Out[166]=
      \{29, 9, 8, 2\}
In[167]:=
       (*35.15*)Flatten[WordTranslation[IntegerName[Range[9] + 1], "French"]]
Out[167]=
       {deux, trois, quatre, cinq, six, sept, huit, neuf, dix}
In[168]:=
       (*36.1*)CloudPublish[Style[RandomInteger[1000], FontSize → 100]]
Out[168]=
      CloudObject[https://www.wolframcloud.com/obj/03b6bac7-ecbe-464e-8358-b603c431e055]
In[169]:=
       (*36.2*) CloudPublish[FormFunction[{"x" → "Number"}, #x^#x &]]
Out[169]=
      CloudObject[https://www.wolframcloud.com/obj/ca260cc3-3f4d-42a6-9f9b-2701647210b1]
In[170]:=
       (*36.3*) CloudPublish[FormFunction[{"x" \rightarrow "Number", "y" \rightarrow "Number"}, \#x^\#y \&]]
Out[170]=
      CloudObject|https://www.wolframcloud.com/obj/0047c168-4a9e-4794-b09e-700bdd0d57f8|
In[171]:=
       (*36.4*)CloudPublish[
        FormFunction[{"page" → "String"}, WordCloud[WikipediaData[#page]] &]]
Out[171]=
      CloudObject[https://www.wolframcloud.com/obj/04f9f46f-26c0-4d5e-9f65-0b1423bbdcc2]
In[172]:=
       (*36.5*)CloudPublish[
        FormFunction[{"string" → "String"}, Style[StringReverse[#string], 50] &]]
Out[172]=
      CloudObject[https://www.wolframcloud.com/obj/80882c6c-d67e-4245-acf5-76ffce4b8594]
In[173]:=
       (*36.6*)CloudPublish[FormFunction[{"n" → "Integer"},
         Graphics[Style[RegularPolygon[#n], RandomColor[]]] &]]
Out[173]=
      CloudObject https://www.wolframcloud.com/obj/a3537411-5ad6-4412-b3c8-97409efd1567
In[174]:=
      (*36.7*)
```