

Computational Linguistics 2

Assignment 1, Semantic tagging

Zubair Abid
20171076

Text

There once was a shepherd boy who was bored as he sat on the hillside watching the village sheep. To amuse himself he took a great breath and sang out, "Wolf! Wolf! The Wolf is chasing the sheep!"

The villagers came running up the hill to help the boy drive the wolf away. But when they arrived at the top of the hill, they found no wolf. The boy laughed at the sight of their angry faces.

"Don't cry 'wolf', shepherd boy," said the villagers, "when there's no wolf!" They went grumbling back down the hill.

Later, the boy sang out again, "Wolf! Wolf! The wolf is chasing the sheep!" To his naughty delight, he watched the villagers run up the hill to help him drive the wolf away.

When the villagers saw no wolf they sternly said, "Save your frightened song for when there is really something wrong! Don't cry 'wolf' when there is NO wolf!"

But the boy just grinned and watched them go grumbling down the hill once more.

Later, he saw a REAL wolf prowling about his flock. Alarmed, he leaped to his feet and sang out as loudly as he could, "Wolf! Wolf!"

But the villagers thought he was trying to fool them again, and so they didn't come.

At sunset, everyone wondered why the shepherd boy hadn't returned to the village with their sheep. They went up the hill to find the boy. They found him weeping.

"There really was a wolf here! The flock has scattered! I cried out, "Wolf!" Why didn't you come?"

An old man tried to comfort the boy as they walked back to the village.

"We'll help you look for the lost sheep in the morning," he said, putting his arm around the youth, "Nobody believes a liar even when he is telling the truth!"

Tagging

Preliminary Reasoning:

All extra tags (m, f, n, c, p, [i... , %) removed. Keeping only the tags in the pdf.

For */S2 I'm considering S2 for the existence of a person-specific category. Exceptions, if any, are noted.

For M7/W3 distinction, M7 is used for location references involving movement and W3 is used for general references to location sans any people object around.

Eg: There is a *hill*: W3

I am sitting on a *hill*: M7

Tending to the *village* sheep: M7

Articles and Preposition tags are almost invariably Z5. Exceptions are noted.

Is/was for A3+ vs Z5: A3+ is used when it's an existential be, Z5 as a grammatical tag otherwise.

Eg: is *action*: Z5; (there) is *thing*: A3+

Where I find it absolutely necessary to keep 2 tags, I have reasons alongside

TAGS

There	T1.2
once	T1.1.1
was	A3+
a	Z5
shepherd	S2
boy	S2.2
who	Z8
was	Z5
bored	X5.2-
as	Z5
he	Z8
sat	M8
on	Z5
the	Z5
hillside	M7
watching	X3.4
the	Z5
village	M7
sheep	L2
To	Z5
amuse	E4.1+
himself	Z8
he	Z8
took	A1.1.1

a	Z5
great	A13.3
breath	B1
and	Z5
sang	Q2.2
out	Q2.2
Wolf	L2
Wolf	L2
The	Z5
Wolf	L2
is	Z5
chasing	M1
the	Z5
sheep	L2
The	Z5
villagers	S2
came	M1
running	M1
up	Z5
the	Z5
hill	M7
to	Z5
help	S8+
the	Z5
boy	S2.2

drive	M2
the	Z5
wolf	L2
away	M6
But	Z5
when	Z5
they	Z8
arrived	M1
at	Z5
the	Z5
top	M6
of	Z5
the	Z5
hill	M7
they	Z8
found	A10+
no	Z6
wolf	L2
The	Z5
boy	S2.2
laughed	E4.1+
at	Z5
the	Z5
sight	X3.4
of	Z5
their	Z8
angry	E3-
faces	B1
Do	A1.1.1
n't	Z6
cry	Q2.2
wolf'	Z4
shepherd	S2
boy	S2.2
said	Q2.1
the	Z5
villagers	S2

when	Z5
there	Z5
s	A3+
no	Z6
wolf	L2
They	Z8
went	M1
grumbling	E2-/Q2.2
back	M6
down	Z5
the	Z5
hill	M7
Later	T1.1.3
the	Z5
boy	S2.2
sang	Q2.2
out	Q2.2
again	N6+
Wolf	L2
Wolf	L2
The	Z5
wolf	L2
is	Z5
chasing	M1
the	Z5
sheep	L2
To	Z5
his	Z8
naughty	S1.2.4-
delight	E4.1+
he	Z8
watched	X3.4
the	Z5
villagers	S2
run	M1
up	Z5
the	Z5

hill	M7
to	Z5
help	S8+
him	Z8
drive	A1.1.1
the	Z5
wolf	L2
away	M6
When	Z5
the	Z5
villagers	S2
saw	X3.4
no	Z6
wolf	L2
they	Z8
sternly	S1.2.1-
said	Q2.1
Save	A9+
your	Z8
frightened	E5-
song	K2
for	Z5
when	Z5
there	Z5
is	Z5
really	A5.2+
something	Z8
wrong	A5.1-
Do	A1.1.1
n't	Z6
cry	Q2.2
wolf'	Z4
when	Z5
there	Z5
is	A3+
NO	Z6
wolf	L2

But	Z5
the	Z5
boy	S2.2
just	A14
grinned	E4.1+
and	Z5
watched	X3.4
them	Z8
go	M1
grumbling	E2-
down	Z5
the	Z5
hill	M7
once	N6-
more	A13.3
Later	T1.1.3
he	Z8
saw	X3.4
a	Z5
REAL	A5.4+
wolf	L2
prowling	M1
about	Z5
his	Z8
flock	S5
Alarmed	E5-/E6- Both E5- and E6- are equally applicable in their entirety
he	Z8
leaped	M1
to	Z5
his	Z8
feet	B1
and	Z5
sang	Q2.2
out	Q2.2
as	Z4

loudly	Z4
as	Z4
he	Z8
could	A7+
Wolf	L2
Wolf	L2
But	Z5
the	Z5
villagers	S2
thought	X2.1
he	Z8
was	Z5
trying	X8+
to	Z5
fool	E4.1+
them	Z8
again	N6+
and	Z5
so	Z5
they	Z8
did	A1.1.1
n't	Z6
come	M1
At	Z5
sunset	T1.2
everyone	Z8
wondered	X2.1
why	A2.2
the	Z5
shepherd	S2
boy	S2.2
had	A1.1.1
n't	Z6
returned	M1
to	Z5
the	Z5
village	M7

with	Z5
their	Z8
sheep	L2
They	Z8
went	M1
up	Z5
the	Z5
hill	M7
to	Z5
find	A10+
the	Z5
boy	S2.2
They	Z8
found	A10+
him	Z8
weeping	E4.1
There	Z5
really	A5.2+
was	A3+
a	Z5
wolf	L2
here	M6
The	Z5
flock	S5
has	Z5
scattered	M1
I	Z8
cried	Q2.2
out	Z5
Wolf	L2
Why	A2.2
did	A1.1.1
n't	Z6
you	Z8
come	M1
An	Z5
old	T3+

man	S2.2
tried	X8+
to	Z5
comfort	S8+
the	Z5
boy	S2.2
as	Z5
they	Z8
walked	M1
back	M6
to	Z5
the	Z5
village	M7
We	Z8
Il	T1.1.3
help	S8+
you	Z8
look	X2.4
for	Z5
the	Z5
lost	A9-
sheep	L2
in	Z5
the	Z5
morning	T1.3
he	Z8
said	Q2.1
putting	A1.1.1
his	Z8
arm	B1
around	Z5
the	Z5
youth	T3-/S2 T3- targets just the concept of young, needs to be used with S2 for youth
Nobody	Z8
believes	X2.1

a	Z5
liar	A5.2-/S2 A5.2- targets just lies, and S2 people. Both need to be used for liar
even	Z5
when	Z5
he	Z8
is	Z5
telling	Q2.1
the	Z5
truth	A5.2+