Material for the Verb Pattern Recognition task

Task   In a given sentence, recognize the verb usage pattern.

We focus only on two verbs: *cry* and *submit*.

Each sentence should be classified either with a pattern number, or with one of two special tags:
'u' ~ unclassifiable; cannot be assigned to a particular pattern
'x' ~ not a verb (the word *cry/submit* is occurring not as a verb)

Objects   Sentences containing the word *cry*, or *submit*.

Target values   verb patterns
-- possible values for *cry*: '1', '4', '7', 'u', 'x'
-- possible values for *submit*: '1', '2', '4', '5', 'u'

tp	categorical	target pattern

Feature vector   **consists of 363 values, all are binary**

All features are divided into four feature families.

Feature family and its subgroups	Number and type of features	Description of features
MF.*	**59 binary features**	**Morphological features**
MF.tense_*	5	related to the verb's tense
MF.3p_*	9	related to the third word preceding the verb
MF.2p_*	9	related to the second word preceding the verb
MF.1p_*	9	related to the first word preceding the verb
MF.1n_*	9	related to the first word following the verb
MF.2n_*	9	related to the second word following the verb
MF.3n_*	9	related to the third word following the verb
STA.*	**90 binary features**	**Syntactic features based on the Stanford parser**
STA.GEN_*	20	general syntactic features
STA.LEX_*	70	lexicalized syntactic features
MST.*	**90 binary features**	**Syntactic features based on the MST parser**
MST.GEN_*	20	general syntactic features
MST.LEX_*	70	lexicalized syntactic features
SEM.*	**124 binary features**	**Semantic features**
SEM.s.*	62	related to the verb's subject(s)
SEM.o.*	62	related to the verb's object(s)

CRY — Pattern definitions

Pattern 1	**[Human] cry [no object]**
Explanation	[[Human]] weeps usually because [[Human]] is unhappy or in pain
Example	His advice to stressful women was: `If you **cry**, do n't cry alone.
Pattern 4	**[Human] cry [THAT-CL|WH-CL|QUOTE] ({out})**
Explanation	[[Human]] shouts ([QUOTE]) loudly typically, in order to attract attention
Example	You can hear them screaming and banging their heads, **crying** that they want to go home.
Pattern 7	**[Entity | State] cry [{out}] [{for} Action] [no object]**
Explanation	[[Entity | State]] requires [[Action]] to be taken urgently
Example	Identifying areas which **cry** out for improvement or even simply areas of muddle and misunderstanding, is by no means negative -- rather a spur to action.

SUBMIT — Pattern definitions

Pattern 1	**[[Human 1 | Institution 1] submit [[Plan|Document|Speech Act|Proposition | {complaint|demand|request|claim|application|proposal|report|...}]^ [Artifact|Artwork|Service | {design|tender|bid|entry|dance|...}]] (({to} Human 2 | Institution 2 = authority) ({for} {approval|discussion| arbitration|inspection|designation|assessment|funding|taxation|...})**
Explanation	[[Human 1 | Institution 1]] presents [[Plan | Document]] to [[Human 2 | Institution 2]] for {approval|discussion|arbitration| inspection|designation|assessment|taxation|...}
Example	This long list of detailed items was **submitted** to a finance committee.
Pattern 2	**[Human | Institution] submit [THAT-CL|QUOTE]**
Explanation	[[Human | Institution]] respectfully expresses {that [CLAUSE]} and invites listeners or readers to accept that{that [CLAUSE]} is true
Example	He has **submitted** that the money in court should not be paid out unless the court is satisfied that the interim government are indeed the Government of Somalia.
Pattern 4	**[Human 1 | Institution 1] submit (Self) ({to} Human 2 | Institution 2)**
Explanation	[[Human 1 | Institution 1]] acknowledges the superior force of [[Human 2 | Institution 2]] and puts [[Self]] in the power of [[Human 2 | Institution 2]]
Example	English common law holds that a woman must **submit** herself totally to her husband.
Pattern 5	**[Human 1] submit (Self) [[{to} Eventuality = Unpleasant]^[{to} Rule]]**
Explanation	[[Human 1]] accepts [[Rule |Eventuality = Unpleasant]] without complaining
Example	To **submit** to unemployment or slums or want, to let children go hungry or sick and old unattended, for fear of increasing the internal national debt, is to lose all sense of proportion.