## A Supplemental Material

Nominal Predicate	Verbal Form	$arg_0$	$arg_1$	$arg_2$	$arg_3$	$arg_4$
bid	bid	subj	prep_for	dobj	_	_
sale	sell	subj	dobj	prep_to	prep_for	prep
loan	loan	subj	dobj	prep_to	prep	prep_at
cost	cost	_	subj	dobj	prep_to	prep
plan	plan	subj	dobj	prep_for	prep_for	-
investor	invest	subj	dobj	prep_in	_	-
price	price	subj	dobj	prep_at	prep	-
loss	lose	subj	dobj	prep_to	prep_on	-
investment	invest	subj	dobj	prep_in	_	_
fund	fund	subj	dobj	prep	prep_on	_

Table 7: Mappings from the 10 nominal predicates to their verbal forms, and mappings from the semantic role labels of each predicate to the corresponding dependency labels, as discussed in Section 5.2.

#	Description
1	<i>p</i> itself.
2	p & p's morphological suffix.
3	$p \& iarg_n.$
4	Verbal form of $p \& iarg_n$ .
5	Frequency of $p$ within the document.
6	p & the stemmed content words in a one-word window around $p$ .
7	p & the stemmed content words in a two-word window around $p$ .
8	p & the stemmed content words in a three-word window around $p$ .
9	p & whether $p$ is before a passive verb.
10	p & the head of the following prepositional phrase's object.
11	p & the syntactic parse tree path from $p$ to the nearest passive verb.
12	p & the part-of-speech of $p$ 's parent's head word.
13	p & the last word of $p$ 's right sibling.
14	Whether or not p's left sibling is a quantifier (many, most, all, etc.).

Table 8: Features used in the fill / no-fill classifier, as discussed in Section 6.3. This is a subset of features used by Gerber and Chai (2012). Here, p is the nominal predicate,  $iarg_n$  is the integer n of the semantic role label of the implicit argument, as shown in Table 7, and the & symbol denotes concatenation.