

## Activités du Lundi 27 mai au Vendredi 7 juin :

### CSV des relations before / after en se basant sur les signaux :

#### - CSV des relations event-event

- Signaux qui engendrent un event :
  - After : ['after', 'since', 'when', 'during']
  - Before : ['before', 'until']

docID	signal	type relation	event1	event2	tag_event1	tag_event2	id_signal	id_event1	id_event2	relation E1-E2
APW19980818.0515	after	->	flight	arriving	NN	VBG	s5	e103	e16	nmod
APW19980818.0515	before	<-	heading	spent	VBG	VBD	s2	e18	e17	advcl
APW19980818.0515	before	<-	returning	meet	VBG	VB	s3	e26	e25	advcl
APW19980818.0515	before	<-	meeting	lavished	VBG	VDN	s4	e116	e43	advcl
APW19990122.0193	after	->	shooting	driven	NN	VDN	s2	e61	e60	nmod
APW19990122.0193	after	->	said	obtained	VBD	VBD	s3	e69	e68	advcl
APW19990122.0193	before	<-	killed	spotted	VDN	VDN	s5	e71	e70	advcl
APW19990312.0251	after	->	exchanging	became	VBG	VBD	s1	e2	e1	advcl
APW19990312.0251	when	->	swept	working	VBD	VBG	s4	e22	e21	advcl
APW19990312.0251	since	->	founding	changed	NN	VDN	s12	e40	e39	nmod
APW19990410.0123	during	->	search	unearthed	NN	VDN	s1	e22	e21	nmod
APW19990410.0123	before	<-	slaying	seen	NN	VDN	s3	e29	e28	nmod
APW19990410.0123	after	->	shooting	vanished	NN	VDN	s4	e31	e30	nmod
APW19990506.0155	after	->	slaying	searching	NN	VBG	s2	e15	e14	nmod
APW19990506.0155	before	<-	shooting	spotted	NN	VDN	s8	e57	e56	nmod
APW19990507.0207	before	<-	shooting	spotted	NN	VDN	s6	e43	e42	nmod
APW19990607.0041	after	->	agreed	removed	VBD	VDN	s7	e62	e61	advcl
APW19990607.0041	Since	->	taken	said	VDN	VBD	s4	e70	e73	advcl
APW19990607.0041	during	->	protests	arrested	NNS	VDN	s6	e93	e92	nmod
APW19991024.0075	after	->	leaked	canceled	VDN	VDN	s3	e19	e18	advcl

#### - CSV des relations event-timex

- Signaux qui engendrent un timex :
  - After : ['after', 'since', 'in', 'at']
    - Aussi « for » et « during » mais nous ne les avons pas gardé dans les relations car ils nous donnent des informations de durée « for two years » ou de durée-date « during the third quarter ».
  - Before : ['before', 'until']

docID	signal	type relation	event1	event2	tag_event1	tag_event2	id_signal	id_event1	id_event2	relation E1-E2
APW19980818.0515	after	->	days	implicated	NNS	VDN	s1	t4	e151	nmod
APW19981205.0374	in	->	April	join	NNP	VB	s3	t4	e10	nmod
APW19981205.0374	in	->	April	planning	NNP	VBG	s4	t5	e13	nmod
APW19990312.0251	in	->	April	dominate	NNP	VB	s10	t13	e37	nmod
APW19990506.0155	in	->	December	abandoned	NNP	VDN	s9	t8	e59	nmod
APW19990507.0207	in	->	November	manhunt	NNP	NN	s1	t4	e12	nmod
APW19990607.0041	in	->	April	agreed	NNP	VBD	s2	t7	e62	nmod
APW20000401.0150	in	->	November	sank	NNP	VBD	s3	t6	e24	nmod
APW20000405.0276	at	->		4 leave	CD	VB	s1	t4	e10	nmod
APW20000405.0276	in	->	November	rescued	NNP	VDN	s3	t9	e26	nmod
NYT19981026.0446	in	->		1992 order	CD	NN	s6	t11	e90	nmod
NYT19990312.0271	in	->		1948 takeover	CD	NN	s4	t4	e14	nmod
NYT19990312.0271	until	<-		1989 invaded	CD	VBD	s12	t13	e125	nmod
NYT19990505.0443	in	->	days	buried	NNS	VBD	s4	t8	e53	nmod
NYT20000224.0173	in	->		1966 arriving	CD	VBG	s1	t4	e54	nmod
NYT20000329.0359	in	->	May	heard	NNP	VDN	s1	t3	e17	nmod
NYT20000403.0463	in	->	March	ruled	NNP	VBD	s4	t9	e56	nmod
XIE19990210.0079	in	->	March	admit	NNP	VB	s1	t2	e2	nmod
XIE19990227.0171	in	->	July	join	NNP	VB	s1	t2	e9	nmod

**Problème** : Trop peu de relations pour l’algo de Gaëtan.

Jusqu’à présent je regarde la première tête du signal dans les dépendances, je teste si cette tête est un event, si oui on la garde. Ensuite je regarde la tête de la tête du signal, je teste si c’est un event, si oui, nous avons notre relation (dont le sens de la relation est déterminé grâce à nos listes ci-dessus).

Pour gagner des relations il faudrait tester : si la tête de la tête du signal n’est pas un event, alors on remonte dans les dépendances jusqu’à ce que l’on tombe sur un event.

Dans ce cas nous trouverions plus de relations, mais imaginons que l’on gagne 20 relations dans chaque CSV, est-ce que ce serait suffisant pour l’algo ?

**Pour établir des règles : combinaison de la classe de l’event / son temps / (et aspect) :**

- **CSV des paires d’événements + leur temps, classe et aspect**
  - o Pour chaque phrase on fait des paires d’événement
    - Si on a Ev1, Ev2 et Ev3 dans un énoncé, on aura les paires suivantes :
      - Ev1, Ev2
      - Ev2, Ev3

filename	ev1	idEv1	classEv1	tenseEv1	aspectEv1	ev2	idEv2	classEv2	tenseEv2	aspectEv2
APW19980807.0261	exploded	e1	OCCURRENCE	PAST	NONE	killing	e2	OCCURRENCE	PRESPART	NONE
APW19980807.0261	killing	e2	OCCURRENCE	PRESPART	NONE	said	e3	REPORTING	PAST	NONE
APW19980807.0261	injured	e12	OCCURRENCE	PAST	NONE	said	e4	REPORTING	PAST	NONE
APW19980807.0261	said	e5	REPORTING	PAST	NONE	refused	e6	OCCURRENCE	PAST	NONE
APW19980807.0261	refused	e6	OCCURRENCE	PAST	NONE	identify	e7	OCCURRENCE	INFINITIVE	NONE
APW19980807.0261	see	e8	PERCEPTION	PRESENT	NONE	went	e9	OCCURRENCE	PAST	NONE
APW19980807.0261	went	e9	OCCURRENCE	PAST	NONE	said	e10	REPORTING	PAST	NONE
APW19980808.0022	bombings	e24	OCCURRENCE	NONE	NONE	blew	e1	OCCURRENCE	PAST	NONE
APW19980808.0022	blew	e1	OCCURRENCE	PAST	NONE	trapping	e2	OCCURRENCE	PRESPART	NONE
APW19980808.0022	trapping	e2	OCCURRENCE	PRESPART	NONE	cleared	e3	OCCURRENCE	PAST	NONE
APW19980808.0022	killed	e4	OCCURRENCE	PAST	NONE	injured	e36	OCCURRENCE	PAST	NONE
APW19980808.0022	injured	e36	OCCURRENCE	PAST	NONE	said	e5	REPORTING	PAST	NONE
APW19980808.0022	said	e5	REPORTING	PAST	NONE	broke	e6	OCCURRENCE	PAST	NONE
APW19980808.0022	missing	e7	OCCURRENCE	PAST	PROGRESSIVE	expected	e8	I_STATE	PAST	NONE
APW19980808.0022	expected	e8	I_STATE	PAST	NONE	rise	e9	OCCURRENCE	INFINITIVE	NONE
APW19980808.0022	rise	e9	OCCURRENCE	INFINITIVE	NONE	said	e10	REPORTING	PAST	NONE
APW19980808.0022	bombings	e29	OCCURRENCE	NONE	NONE	turning	e12	OCCURRENCE	NONE	PROGRESSIVE
APW19980808.0022	appears	e13	OCCURRENCE	PRESENT	NONE	attack	e30	OCCURRENCE	NONE	NONE
APW19980808.0022	blast	e33	OCCURRENCE	NONE	NONE	toppling	e19	OCCURRENCE	PRESPART	NONE
APW19980808.0022	killed	e21	OCCURRENCE	PAST	NONE	wounded	e22	OCCURRENCE	PAST	NONE
APW19980808.0022	wounded	e22	OCCURRENCE	PAST	NONE	said	e23	REPORTING	PAST	NONE
APW19980809.0700	prevented	e3	I_ACTION	PAST	PERFECTIVE	said	e4	REPORTING	PAST	NONE
APW19980809.0700	swaying	e7	OCCURRENCE	PRESPART	NONE	plagues	e8	STATE	PRESENT	NONE
APW19980810.0907	Injured	e5	OCCURRENCE	PAST	NONE	Treated	e4	OCCURRENCE	PAST	NONE
APW19980810.0907	Treated	e4	OCCURRENCE	PAST	NONE	discharged	e2	OCCURRENCE	PAST	NONE
APW19980810.0907	discharged	e2	OCCURRENCE	PAST	NONE	Injured	e6	OCCURRENCE	PAST	NONE
APW19980811.0474	condemned	e1	OCCURRENCE	PAST	NONE	bombings	e5	OCCURRENCE	NONE	NONE
APW19980811.0474	bombings	e5	OCCURRENCE	NONE	NONE	offered	e12	OCCURRENCE	PAST	NONE
APW19980811.0474	extend	e2	OCCURRENCE	PRESENT	NONE	outrages	e6	OCCURRENCE	NONE	NONE
APW19980811.0474	outrages	e6	OCCURRENCE	NONE	NONE	said	e3	REPORTING	PAST	NONE
APW19980811.0474	murder	e9	OCCURRENCE	NONE	NONE	maiming	e13	OCCURRENCE	NONE	NONE
APW19980811.0474	bombings	e10	OCCURRENCE	NONE	NONE	claimed	e4	REPORTING	PAST	NONE
APW19980811.0474	claimed	e4	REPORTING	PAST	NONE	injured	e14	OCCURRENCE	PAST	NONE
APW19980813.1117	condemned	e1	OCCURRENCE	PAST	NONE	bombing	e16	OCCURRENCE	NONE	NONE

Grâce à ces combinaisons, nous allons pouvoir construire des règles.