



Correction to: MELHISSA: a multilingual entity linking architecture for historical press articles

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The following are the errors in the original publication of the article:

In the Abstract, third line from the bottom, the phrase “over two historical document” corrected to “over two historical document corpora”.

In Author Contributions, the name “JG M” corrected to “JGM”, and the phrase “MC helped in supervision” added at the end.

In Data availability, the first link was broken as the backslashes were kept. Now, they have been removed.

In Reference 49, the surname of the first author corrected to “Agirre” instead of “AAgire”.

The original article can be found online at <https://doi.org/10.1007/s00799-021-00319-6>.

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The following references were missed in the reference list, but they have been cited in Fig. 1:

Gazette of the United-States. (New York, New York, U.S.A). In: *Chronicling America: Historic American Newspapers*. Library of Congress (02-Jan-1790). <https://chroniclingamerica.loc.gov/lccn/sn83030483/1790-01-02/ed-1/seq-4/>. Accessed on April 2021.

Gazette of the United-States. (New York, New York, U.S.A). In: *Chronicling America: Historic American Newspapers*. Library of congress (03-Mar-1790). <https://chroniclingamerica.loc.gov/lccn/sn83030483/1790-03-03/ed-1/seq-4/>. Accessed on April 2021.

Vossische Zeitung. (Berlin, Germany). Staatsbibliothek zu Berlin (11-Feb-1857). <https://dfg-viewer.de/show/?set%5Bmets%5D=https://content.staatsbibliothek-berlin.de/zefyfsSNP27112366-18570211-0-0-0-0.xml>. Accessed on April 2021.

Chariton Courier. (Keytesville, Chariton County, Missouri, U.S.A). In: *Chronicling America: Historic American newspapers*. Library of congress (13-Feb-1890). <https://chroniclingamerica.loc.gov/lccn/sn88068010/1890-02-13/ed-1/seq-3/>. Accessed on April 2021.

Le Libérateur du Sud-Ouest: organe régional du Parti populaire français. (Bordeaux, France). Bibliothèque nationale de France (3-Dec-1936). <https://gallica.bnf.fr/ark:/12148/bpt6k55631820>. Accessed on April 2021.

Les Affiches de Paris (Paris, France). Bibliothèque nationale de France (31-Dec-1750). <https://gallica.bnf.fr/ark:/12148/bpt6k10531388>. Accessed on April 2021.

In Table 3, the years were overlapped.

In Table 5 first line, 1A repeated twice instead of 1B.

In Table 11, there are various errors, so the correct Tables 3, 5, and 11 are given below:

The original article has been corrected.

Table 5 Filter configurations used in this work

Filter	Edit distance	Mentions to filter by date	Middle candidates
1A	RapidFuzz W. Ratio	All	No
2A		None	
3A		Person	
4A		All	Yes
5A		None	
6A		Person	
1B	None	All	No
2B		None	
3B		Person	
4B		All	Yes
5B		None	
6B		Person	
1C	Weighted Levenshtein	All	No
2C		None	
3C		Person	
4C		All	Yes
5C		None	
6C		Person	

Table 11 Amount of mentions that match their surface form with an entry existing in the probability tables $p(\phi|lm)$

Splits	English			French			German					
	Mentions		Match Correction	Mentions		Match Correction	Mentions		Match Correction			
	No cor.	Multi		No cor.	Multi		No cor.	Multi				
<i>(a) CLEF HIPE 2020 dataset</i>												
Train												
ORG	-	-	-	554	266	465	247	82	83	172	173	
LOC	-	-	-	3333	2263	3022	2009	1312	1338	1738	1767	
PERS	-	-	-	1343	429	734	849	161	187	317	363	
PROD	-	-	-	149	77	112	77	23	26	51	56	
Total	-	-	-	5406	3038	4348	3209	1576	1632	2278	2359	
Dev												
ORG	93	44	45	120	47	97	112	19	19	72	72	
LOC	332	210	211	851	617	759	711	494	504	613	625	
PERS	107	50	52	434	158	242	294	87	98	131	143	
PROD	16	9	9	37	17	30	35	13	15	29	31	
Total	549	313	317	1450	840	1135	1157	613	636	845	871	
Test												
ORG	45	20	20	105	58	90	99	37	37	72	73	
LOC	184	118	119	926	625	829	696	454	460	583	598	
PERS	46	8	8	271	90	161	188	31	38	57	72	
PROD	8	0	0	43	23	38	42	13	13	23	25	
Total	283	146	147	1345	796	1118	1025	535	548	735	768	
Splits	Finnish			French			German			Swedish		
	Mentions		Match Cor.	Mentions		Match Cor.	Mentions		Match Cor.	Mentions		Match Cor.
	No cor.	Multi		No cor.	Multi		No cor.	Multi		No cor.	Multi	
<i>(b) NewsEye dataset</i>												
Train												
ORG	92	13	13	106	55	352	165	72	5	5	29	45
LOC	837	398	399	1174	691	1786	454	834	485	516	722	756
PERS	270	21	35	244	110	1057	73	395	48	63	153	183
PROD	82	5	5	35	42	108	3	146	20	20	95	123
Total	1281	435	450	1559	898	3303	695	1447	558	604	999	1107
Dev												
ORG	13	3	3	22	7	57	88	7	1	1	4	5
LOC	80	37	38	209	62	283	223	132	81	81	120	123

Table 11 continued

Splits	Finnish						French						German						Swedish					
	Mentions		No cor.		Match Cor.		Mentions		No cor.		Match Cor.		Mentions		No cor.		Match Cor.		Mentions		No cor.		Match Cor.	
	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi	Mono	Multi
PERS	31	2	2	13	13	163	59	62	116	122	96	27	30	54	56	49	14	24	24	24	37	37	37	37
PROD	9	0	1	2	4	7	5	5	6	6	2	2	2	2	2	11	1	1	10	10	10	10	10	10
Total	133	42	44	84	86	510	295	300	435	443	409	250	253	334	337	199	97	107	158	158	175	175	175	175
Test																								
ORG	2	0	0	1	1	79	33	36	65	69	61	14	14	49	49	5	1	1	2	2	2	2	2	2
LOC	78	47	47	65	65	481	304	310	442	444	269	184	184	230	231	121	75	81	108	108	113	113	113	113
PERS	31	1	2	7	8	208	87	91	135	140	73	22	22	52	56	56	14	16	27	27	29	29	29	29
PROD	5	0	0	1	4	15	6	6	14	14	3	0	0	3	3	13	2	2	11	11	12	12	12	12
Total	116	48	49	74	78	783	430	443	656	667	406	220	220	334	339	195	92	100	148	148	156	156	156	156

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