ANA anaphoric ACT speech act	HAS possessive pronoun: my, her REF reflexive & reciprocal pron.: herself, each_other EMP emphasizing pronouns: himself GRE greeting & parting: hi, bye	NOT negation: not, no, neither, without NEC necessity: must, should, have to POS possibility: might, could, perhaps, alleged, can SUB subordinate relations: that, while, because COD coordinate relations: so, {, }, {; }, and APP appositional relations: {, }, which, {(/}, {} BUT contrast: but, yet	MOD modality DSC discourse
ATT attribute	IES inestitution: err QUE interrogative: who, which, ? QUC concrete quantity: two, six_million, twice QUV vague quantity: millions, many, enough COL colour: red, crimson, light_blue, chestnut_brown IST intersective: open, vegetarian, quickly SST subsective: skillful surgeon, tall kid PRI privative: former, fake DEG degree: 2 meters tall, 20 years old INT intensifier: very, much, too, rather REL relation: in, on, 's, of, after SCO score: 3-0, grade A	PER person: Axl_Rose, Sherlock_Holmes (PEE geo-political entity: Paris, Japan GPO geo-political origin: Parisian, French (EED geographical location: Alps, Nile ORG organization: IKEA, EU (ART artifact: iOS_7 HAP happening: Eurovision_2017 UOM unit of measurement: meter, \$, %, degree_Celsius CTC contact information: 112, info@mail.com (URL intfp://pmb.let.rug.nl LIT literal use of names: bisname is John NTH other names: wise 1a, equation (1)	NAM named entity
COM com- parative	EQU equative: <i>as tall as John, whales ATP mammals</i> MOR comparative positive: <i>better, more</i> LES comparative negative: <i>less, worse</i> TOP superlative nositive: <i>most, mostly</i> BOT superlative negative: <i>worst, least</i> ORD ordinal: <i>1st, 3rd, third</i>	EXS untensed simple: to walk, is eaten, destruction ENS present simple: tw walk, is walks EPS past simple: ate, went EXG untensed progressive: is running EXT untensed perfect: has eaten	EVE events
UNE unnamed entity DXS deixis	CON concept: dog, person ROL role: student, brother, prof., victim GRP*group: John {,} Mary and Sam guthered, a group of people DXP*place deixis: here, this, above DXT*temporal deixis: just, later, tomorrow	NOW present tense: is sking, do ski, has skied, now PST past tense: was baked, had gone, did go FUT future tense: will, shall PRG progressive: has been being treated, aan_het ^{NL} PFT perfect: has been going/done	TNS tense & aspect
LOG logical	DXD discourse deixis: <i>latter, former, above</i> ALT alternative & repetitions: <i>another, different, again</i> XCL exclusive: <i>only, just</i> NIL empty semantics: {.}, <i>to, of</i> DIS disjunction & exist. quantif.: <i>a, some, any, or</i> IMP implication: <i>if, when, unless</i> AND conjunction & univ. quantif.: <i>every, and, who, any</i>	DAT full date: 27.04.2017, 27/04/17 DOM day of month: 27th December (YOC year of century: 2017 DOW day of week: Thursday MOY month of year: April DEC decade: 80s, 1990s CLO clocktime: 8:45_pm, 10_0'clock, noon	temporal entity

Bjerva, J., Plank, B. & Bos, J.: Semantic Tagging with Deep Residual Networks, COLING, 2016

Abzianidze, L. & Bos, J.: Towards Universal Semantic Tagging, IWCS, 2017

ANA anaphoric	PRO anaphoric & deictic pronouns: <i>he, she, I, him</i> DEF definite: <i>the, lo^{T}, der^{PE}</i> HAS possessive pronoun: <i>my, her</i> REF reflexive & reciprocal pron.: <i>herself, each_other</i>	NDT negation: <i>not, no, neither, without</i> NEC necessity: <i>must, should, have w</i> POS possibility: <i>might, could, perhaps, alleged, can</i>	MOD modality
ACT speech act	EMP emphasizing pronouns: himself GRE greeting & parting: hi, bye	(SUB) subordinate relations: <i>that</i> , <i>while</i> , <i>because</i> (CDO) coordinate relations: <i>so</i> , {, }, {:}, <i>and</i> (APP) appositional relations: {,}, <i>which</i> , {(}, {−-} (BUT) contrast: <i>but</i> , <i>yet</i>	DSC discourse
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UNE unnamed entity DXS deixis	CON concept: dog, person ROL role: student, brother, prof., victim GRP [*] group: John {, } Mary and Sam gathered, a group of people DXP [*] place deixis: here, this, above DXT [*] temporal deixis: just, later, tomorrow	NOW present tense: is sking, do ski, has skied, now (PST) past tense: was baked, had gone, did go (FUT) future tense: will, shall (PRG) progressive: has been being reseted, aan_het ^{NL} (PFT) perfect: has been going/done	TNS tense & aspect
LOG	DXD discourse deixis: latter, former, above ALT alternative & repetitions: another, different, again XCL exclusive: only, just NIL empty semantics: {.}, to, of DIS disjunction & exist. quantif.: a, some, any, or IMP implication: if, when, unless AND conjunction & univ. quantif.: every, and, who, any	DAT [*] full date: 27.04.2017, 27/04/17 DOM day of month: 27th December (YOC year of century: 2017 DOW day of week: Thursday MOY month of year: April DEC decade: 80s, 1990s (CLO clocktime: 8:45-pm, 10_0°clock, noon	temporal entity

RTF1-56 EClass: entailment

Euro-Scandinavian media cheer Denmark v Sweden draw

Denmark and Sweden tie

SICK-335 EClass: neutral RScore: 4.6 A group of people is on a beach

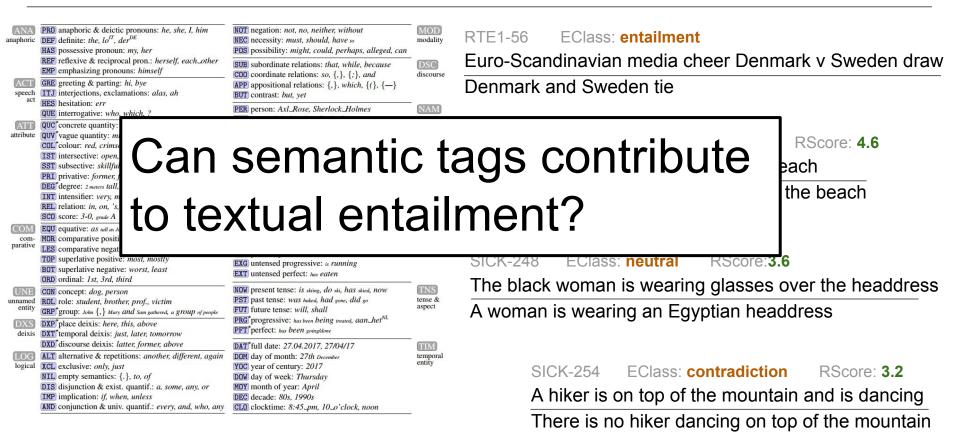
Four people are walking on the beach

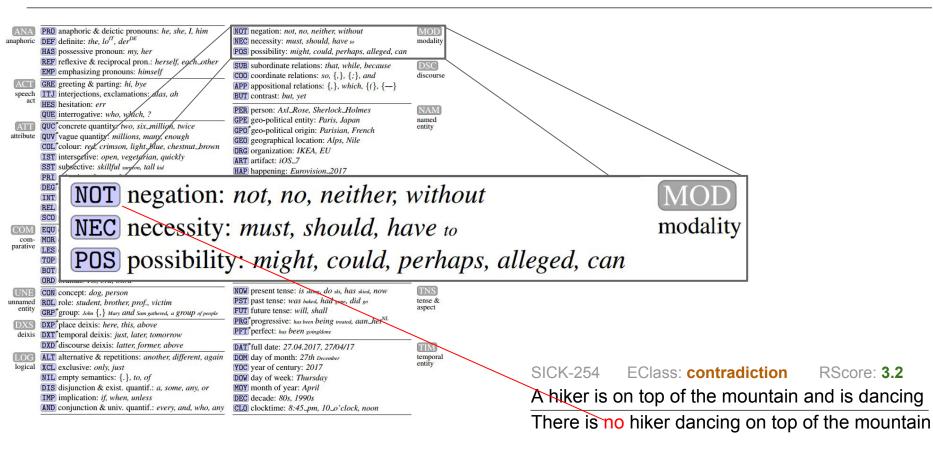
EClass: neutral RScore 3.6 SICK-248

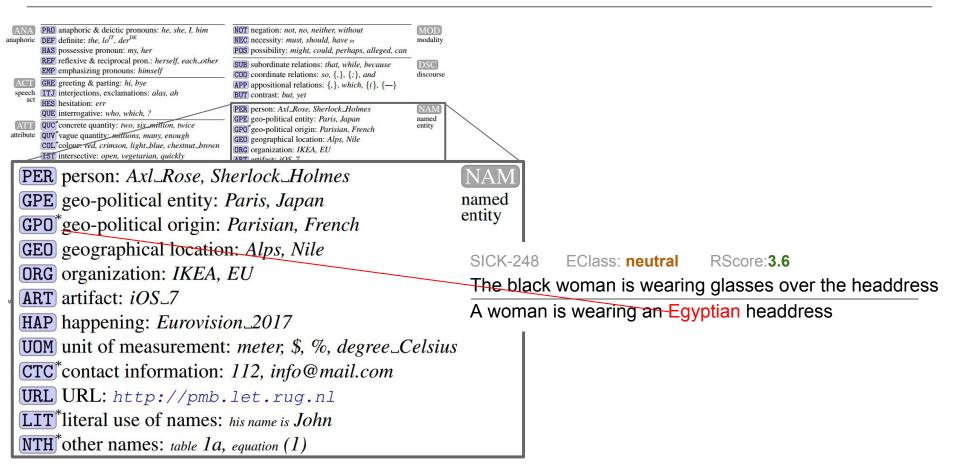
The black woman is wearing glasses over the headdress

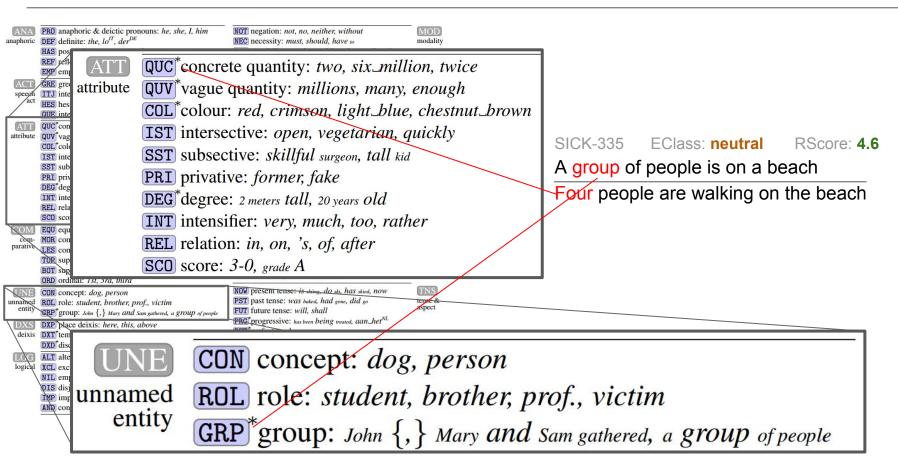
A woman is wearing an Egyptian headdress

EClass: contradiction SICK-254 RScore: 3.2 A hiker is on top of the mountain and is dancing There is no hiker dancing on top of the mountain









Data for semantic tagging:

Semantic tagging: number of gold, silver, bronze and conflicted (red) documents

	Gold	Silver	Bronze	Conflict	
English	4,905	56,132	224,016	0	
German	818	398	202,954	0	Parallel
Italian	508	143	120,368	0	MANING
Dutch	447	104	39,863	0	BANK

RTE3 data part of PMB (http://pmb.let.rug.nl)

and more topics related to PMB

- VerbNet thematic role labelling
- Gamification for semantic annotation
- Multi-lingual tokenizer (Elephant) for semantics
- Learning Semantics (in a tuple format)

Come and talk to the PMB team:



http://pmb.let.rug.nl