

# L1ML: Annotation Specification

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# 1<sup>st</sup> Pass: Misspellings and Awkward Punctuation

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- EXTENT Misspelling ~ *describe types of misspellings*
  - CHOICE ATTRIBUTE1 MisspellingError ~ *Choose following the hierarchical order (REQ).*
    - CHOICE1 VowelIssues ~ *problems with vowels in the misspellings*
    - CHOICE2 Homophone ~ *word written is a homophone of the intended word*
    - CHOICE3 SegmentVoicing ~ *consonant segments have been voiced inappropriately*
    - CHOICE4 Cognate ~ *word has been written as a possible cognate*
    - CHOICE5 Other ~ *None of the above choices seems to fit*
- EXTENT AwkwardPunctuation ~ *semi-colons, commas, colons, and periods used strangely*



# Example: Pass 1

I firmly **belive** that recently young peoples doesnt have **enogh** time to pay attentioning to their communities .I am going to give a reasons to support my opinion .First . in **moder** world society is being busy and there are many things going on .I think young people is much busier than old time .Study is getting hard and hard young people may need spend more time on that .**Becasue** they want to get better job and better life in future which may give us happy feeling .However , i **belive** they will forget about important things as they focus on to the only study .

{“belive”: tag=Misspelling, (MisspellingError: atr=VowelIssues)}

{“enogh”: tag=Misspelling, (MisspellingError: atr=VowelIssues)}

{“moder”: tag=Misspelling, (MisspellingError, atr=Other)}

{“becasue”: tag=Misspelling, (MisspellingError, atr=Other)}

{“.”: tag=AwkwardPunctuation}

## 2<sup>nd</sup> Pass: Nouns, Determiners, Predicative Adjectives, and their Dependent Prepositions

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- EXTENT Determiner ~ *Mark determiners that have some error in relation to their noun*
  - CHOICE ATTRIBUTE1 WrittenForm (NOT REQ). ~ *Choose written det from list*
    - CHOICES: a | an | the | some | this | that | these | those | NUMBER | POSSESSIVE | OTHER
  - CDATA ATTRIBUTE2 OtherWrittenForm (NOT REQ) ~ *If “other” chosen above, write it in*
- LINK DetNounLink ~ *Links nouns and extra or incorrect determiners*
  - ARGUMENT0 “article” (REQ) ~ *capture the determiner*
  - ARGUMENT1 “noun” (REQ) ~ *capture the noun*



# 2<sup>nd</sup> Pass: Nouns, Determiners, Predicative Adjectives, and their Dependent Prepositions

- EXTENT Noun ~ *Mark nouns that have an error (either with themselves or their dependencies)*

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  - CHOICE ATTRIBUTE1 DetError (NOT REQ) ~ *Mark if there is a problem with determiner*
    - CHOICE1 MissingDeterminer ~ *Determiner should be present, but isn't* (no link or determiner tag req'd).
    - CHOICE2 ExtraDeterminer ~ *Determiner is present, but is ungrammatical* (link and determiner tag needed)
    - CHOICE3 IncorrectDeterminer ~ *Determiner and noun do not match* (link and determiner tag needed)
  - CHOICE ATTRIBUTE2 PrepError (NOT REQ) ~ *Mark if there is a problem with a preposition*
    - CHOICE1 MissingPreposition ~ *Preposition should be present, but isn't* (no link or preposition tag req'd).
    - CHOICE2 ExtraPreposition ~ *Preposition is present, but is ungrammatical* (link and preposition tag needed)
    - CHOICE3 IncorrectPreposition ~ *Preposition and noun do not match* (link and preposition tag needed)
  - CHOICE ATTRIBUTE3 PlError (NOT REQ) ~ *Mark if the noun's count is incorrect*
    - CHOICE1 NotSingular ~ *Noun is not singular, but should be*
    - CHOICE2 NotPlural ~ *Noun is not plural, but should be*

# 2<sup>nd</sup> Pass: Nouns, Determiners, Predicative Adjectives, and their Dependent Prepositions

- EXTENT Preposition ~ *Mark on extra or incorrect prepositions*

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  - CDATA ATTRIBUTE1 CorrectPreposition (NOT REQ) ~ *Write correct prep if possible*
- EXTENT Adj ~ *Mark on predicative adjectives with preposition problems ONLY*
  - CHOICE ATTRIBUTE1 PrepositionError (NOT REQ)
    - CHOICE1 MissingPreposition ~ *Preposition should be present, but isn't* (no link or preposition tag req'd).
    - CHOICE2 ExtraPreposition ~ *Preposition is present, but is ungrammatical* (link and preposition tag needed)
    - CHOICE3 IncorrectPreposition ~ *Preposition and noun do not match* (link and preposition tag needed)
- LINK PrepositionLink ~ *Connect extra or incorrect prepositions and the word they are dependent on*
  - ARGUMENT0 “prep” (REQ) ~ *Mark the extra or incorrect preposition*
  - ARGUMENT1 “mother” (REQ) ~ *Mark the noun, verb, or predicative adjective prep is dependent on*



# Example: 2<sup>nd</sup> Pass

- I firmly believe that recently young **peoples** doesn't have enough time to pay attention to their communities. I am going to give **a reasons** to support my opinion. First, in modern world society is being busy and there are many things going on. I think young people is much busier than old time. Study is getting hard and hard young people may need spend more time on that. Because they want to get better job and better life in future which may give us happy **feeling**. However, I believe they will forget about important things as they focus on to the only study.

{“peoples”: tag=Noun, (PlError, atr=“NotSingular”)}

{“a”: tag=Determiner, (WrittenForm, atr=“a”)}

{“reasons”: tag=Noun, (DetError, atr=“IncorrectDeterminer”)}

{tag=DetNounLink, arg0 “article”=“a”, arg1 “noun”=“reasons”}

{“job”: tag=Noun, (DetError, atr=“MissingDeterminer”)}

{“life”: tag=Noun, (DetError, atr=“MissingDeterminer”)}

{“future”: tag=Noun, (DetError, atr=“MissingDeterminer”)}

{“feeling”: tag=Noun, (DetError, atr=“MissingDeterminer”)}

### 3<sup>rd</sup> Pass: Auxes, Verbs, Subject-Verb Disagreement, Inconsistent Tense, and Missing Copulae

- EXTENT Verb ~ *Mark if there is a problem with a verb or its dependencies*
  - CHOICE ATTRIBUTE 1 MissingSubj ~ *Mark if the subject is missing* (REQD)
    - CHOICE1 Yes ~ *Does not have subject*

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  - CHOICE2 No ~ *Has subject* (Default)
  - CHOICE ATTRIBUTE2 PrepError ~ *Mark if there is a problem with a prepososition* (NOT REQD)
    - CHOICE1 MissingPreposition ~ *Preposition should be present, but isn't* (no link or preposition tag req'd).
    - CHOICE2 ExtraPreposition ~ *Preposition is present, but is ungrammatical* (link and preposition tag needed)
    - CHOICE3 IncorrectPreposition ~ *Preposition and noun do not match* (link and preposition tag needed)
  - CHOICE ATTRIBUTE3 WrittenForm ~ *Identify written form, if possible* (NOT REQD)
    - CHOICES: (3rd sg | bare | en/ed | ing | OTHER)
  - CHOICE ATTRIBUTE4 CorrectForm ~ *Identify correct form, if possible* (NOT REQD)
    - CHOICES: (3rd sg | bare | en/ed | ing | OTHER)
  - CHOICE ATTRIBUTE5 WrittenTense ~ *choose the tense that the person has written down* (NOT REQD)
    - CHOICES: (present | past | future)



### 3<sup>rd</sup> Pass: Auxes, Verbs, Subject-Verb Disagreement, Inconsistent Tense, and Missing Copulae

- EXTENT Aux ~ *A problem with a finite aux*
  - CHOICE ATTRIBUTE1 WrittenForm ~ *Identify written form, if possible* (NOT REQD)
    - CHOICES: (3rd sg | bare | en/ed | ing | OTHER)
  - CHOICE ATTRIBUTE2 CorrectForm ~ *Identify correct form, if possible* (NOT REQD)

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  - CHOICES: (3rd sg | bare | en/ed | ing | OTHER)
  - CHOICE ATTRIBUTE3 WrittenTense ~ *choose the tense that the person has written down* (NOT REQD)
    - CHOICES: (present | past | future)
- EXTENT MissingCopula ~ *Mark the whitespace where a copula “to be” should be, if it is not present*
  - CDATA ATTRIBUTE1 CorrectForm ~ *Write in what form of “to be” should be present, if possible*
- LINK SVDisagreement ~ *Link a disagreement between subject and verb*
  - ARGUMENT0 Subject ~ *Link to noun subject tag* (REQD)
  - ARGUMENT1 Verb ~ *Link to a finite verb or aux* (REQD)
- LINK InconsistentTenseLINK ~ *Link to inconsistent tenses within a given sentence*
  - ARGUMENT0 Verb1 ~ *First verb that’s inconsistent* (REQD)
  - ARGUMENT1 Verb2 (REQD) (ARGUMENT2 ~ ARGUMENT5 – optionally can be included)

### Example: 3<sup>rd</sup> Pass

- I firmly belive that recently young **peoples** **doesnt** have enogh time to pay **attentioning** to their communities .I am going to give a reasons to support my opinion .First . in moder world society is being busy and there are many things going on .I think young **people** **is** much busier than old time .Study is getting hard and hard young people may **need** spend more time on that .Becasue they want to get better job and better life in future which may give us happy feeling .However , i belive they will forget about important things as they **focus** on **to** the only study .

{“peoples”: tag=Noun, (PIError, atr=“NotSingular”)}

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{“attentioning”, tag=Verb, (WrittenForm, atr=“ing”), (CorrectForm, atr=“base”)}

{“doesn’t”: tag=Verb, (MissingSubj, atr=“no”)}

{SVDisagreement, arg0 “subject”=“peoples”, arg1 “verb” = doesn’t”}

{“people”: tag=Noun}

{“is”: tag=Verb, (MissingSubj, atr=“no”)}

{SVDisagreement, arg0 “subject” = “people”, arg1 “verb” = “is”}

{“need”, tag=Verb, (PrepError, atr=“MissingPreposition”)}

{“focus”, tag=Verb, (PrepError, atr=“ExtraPreposition”)}

{“to”, tag=Preposition}

{PrepositionLink, arg0 “prep” = “to”, arg1 “mother” = “focus”}



## 4<sup>th</sup> Pass: Wrong POS

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- EXTENT WrongPOS ~ *Choose if the POS does not seem correct (and if no other tag is appropriate)*
  - CHOICE ATTRIBUTE1 WrittenPOS ~ *Choose the POS that was written, if possible*
    - CHOICES: (Noun | Verb | Adjective | Adverb | OTHER)
  - CHOICE ATTRIBUTE CorrectPOS ~ *Choose the correct POS, if you can determine it*
    - CHOICES: (Noun | Verb | Adjective | Adverb | OTHER)

## Example: 4<sup>th</sup> Pass

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- I firmly belive that recently young peoples doesnt have enogh time to pay attentioning to their communities .I am going to give a reasons to support my opinion .First . in moder world society is being busy and there are many things going on .I think young people is much busier than old time .Study is getting hard and hard young people may need spend more time on that .Becasue they want to get better job and better life in future which may give us happy feeling .However , i belive they will forget about important things as they focus on to the only study .

{“study”: tag=WrongPOS, (WrittenPOS, atr=“Noun”), (CorrectPOS, atr=“Verb)}