Fielded Output Explained

The -f (--fielded_output) option of SKR/MetaMap produces multi-line, tab-delimited MetaMap output. The content for this option is the same as -q (--machine_output) and, like the machine output option, it ignores any other option intended to control human-readable output. The output is organized by utterances as determined by the SPECIALIST parser. Each utterance has a header and one or more instances of a phrase, its candidates and its mappings:

```
<label> <l> u <matching term> <s> matching concept/preferred name > <s> matching word list > <n> semantic type list > <m> matchmap > <is overmatch flag> <involves head flag> <involves head flag> <is overmatch flag>
```

where fields are separated by tab characters:

- `<label>` is a line number for all lines for each phrase,
- `<u>` beginning with 1: u, p, c, m and mc are record types: utterance, phrase, candidate, mapping, and mapping concepts, `parsed_phrase` and `matchmap` are currently shown as Prolog terms; mappings are numbered `s` of `m`; and candidates and mapping concepts are numbered `c` of `m`.

**MatchMap List:** The match map list consists of information on how the candidate concept matches up to words in the original phrase and if there is any lexical variation in the matching. NOTE: The span word counts don't include the following syntactic elements: aux, compl, conj, det, modal, prep, pron, and punc which are ignored by MetaMap. For example, in the phrase "of the drug therapy", the word "drug" would be counted as word #1 and the word "therapy" would be word #2.

```
[[[phrase word span begin,phrase word span end],[concept word span begin,concept word span end]],variation]]
```

Example: This mapping shows word 1 of the phrase maps to word 1 of the concept with 0 lexical variation:

```
[[[1,1],[1,1],0]]  
```

A partial example:

```
10700653.c1.0 1 u Molecular clock genes in man and lower animals: possible implications for circadian abnormalities in depression.
10700653.c1.0 2 p molecular clock genes
10700653.c1.0 3 c 1 2 867 genes genes genes genes
10700653.c1.0 4 c 2 2 589 molecule molecule molecule basis
10700653.c1.0 5 m 1 1 766 Man human, human p(hum).
10700653.c1.0 6 mc 1 2 2 829 genes genes genes basis
10700653.c1.0 7 mc 2 2 2 829 genes genes genes basis
10700653.c1.0 8 p in man
10700653.c1.0 9 c 1 5 1000 MAN <1> Male gender man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 10 c 2 5 1000 male <1> Male population group man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 11 c 3 5 1000 Homo sapiens man human, p(hum), orgenp [[1,1],[1,1],0] yes
10700653.c1.0 12 c 4 5 900 Man <1> Animal man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 13 c 5 5 900 male <2> Morning man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 14 c 6 5 1000 male <2> Man <1> Animal man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 15 mc 1 3 1 1000 human sapiens male human, p(hum), orgenp [[1,1],[1,1],0] yes
10700653.c1.0 16 mc 2 3 1 1000 Man <1> Male gender man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 17 mc 3 3 1 1000 male <2> Male population group man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 18 mc 4 3 1 1000 male <2> Man <1> Animal man orgenp [[1,1],[1,1],0] yes
10700653.c1.0 19 mc 5 3 1 1000 depression <1> Mental Depression orgenp [[1,1],[1,1],0] yes
```

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