

API Reference

Harmony API

API Version: 2.0

Documentation for Harmony API.

Harmony is a tool using AI which allows you to compare items from questionnaires and identify similar content. You can try Harmony at app.harmonydata.org and you can read our blog at harmonydata.org/blog/.

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API

1. HEALTH CHECK

1.1 GET /health-check

Health Check

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Successful Response

RESPONSE MODEL - application/json

undefined

2. INFO

2.1 GET /info/version

Show Version

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Successful Response

RESPONSE MODEL - application/json

undefined

3. TEXT

3.1 POST /text/parse

Parse Instruments

Parse PDFs or Excels or text files into Instruments, and identifies the language.

If the file is binary (Excel or PDF), you must supply each file with the content in MIME format and the bytes in base64 encoding, like the example RawFile in the schema.

If the file is plain text, supply the file content as a standard string.

REQUEST

REQUEST BODY - application/json

```
[{
  Array of object:
    file_id      string  Unique identifier for the file (UUID-4)
    file_name    string  DEFAULT:Untitled file
                    The name of the input file
    file_type*   enum    ALLOWED:pdf, xlsx, txt
                    The file type (pdf, xlsx, txt)
    content*     string  The raw file contents
    text_content string  The plain text content
}]
```

RESPONSE

STATUS CODE - 200: Successful Response

RESPONSE MODEL - application/json

```
[{
  Array of object:
    file_id      string  Unique identifier for the file (UUID-4)
    instrument_id string  Unique identifier for the instrument (UUID-4)
    instrument_name string  DEFAULT:Untitled instrument
                    Human-readable name of the instrument
    file_name    string  DEFAULT:Untitled file
                    The name of the input file
    file_type    enum    ALLOWED:pdf, xlsx, txt
                    The file type (pdf, xlsx, txt)
    file_section string  The sub-section of the file, e.g. Excel tab
    study        string  The study
    sweep        string  The sweep
    metadata {
      Optional metadata about the instrument (URL, citation, DOI, copyright holder)
    }
    language     enum    DEFAULT:en
                    ALLOWED:de, el, en, es, fr, it, he, ja, ko, pt, ru,
                    uk, zh, ar, la, tr, af, ak, am, as, ay, az, be, bg,
                    bho, bm, bn, bs, ca, ceb, ckb, co, cs, cy, da, doi,
                    dv, ee, eo, et, eu, fa, fi, fil, fy, ga, gd, gl, gn,
                    gom, gu, ha, haw, hi, hmn, hr, ht, hu, hy, id, ig,
                    ilo, is, jv, ka, kk, km, kn, kri, ku, ky, lb, lg,
                    ln, lo, lt, lus, lv, mai, mg, mi, mk, ml, mn, mni-
```

mtei, mr, ms, mt, my, ne, nl, no, nso, ny, om, or, pa, pl, ps, qu, ro, rw, sa, sd, si, sk, sl, sm, sn, so, sq, sr, st, su, sv, sw, ta, te, tg, th, ti, tk, tl, ts, tt, ug, ur, uz, vi, xh, yi, yo, zh-tw, zu, yue

The ISO 639-2 (alpha-2) encoding of the instrument language

```
questions* [{
  Array of object:
    question_no      string      Number of the question
    question_intro    string      Introductory text applying to the question
    question_text*    string      Text of the question
    options           [string]
    source_page       integer     DEFAULT:0
                                The page of the PDF on which the question was located, zero-indexed
    instrument_id     string      Unique identifier for the instrument (UUID-4)
    instrument_name    string      Human readable name for the instrument
    topics_auto       [undefined]
    nearest_match_from_mhc_auto {
      Automatically identified nearest MHC match
    }
  }
}]
}]
```

STATUS CODE - 422: Validation Error

RESPONSE MODEL - application/json

```
{
  detail [{
    Array of object:
      loc*
        ANY OF
        prop0
        string
        prop1
        integer
      msg*  string
      type* string
    }
  ]
}
```

3.2 POST /text/match

Match

Match instruments

REQUEST

REQUEST BODY - application/json

```
{
  instruments* [{
    Array of object:
      file_id      string      Unique identifier for the file (UUID-4)
      instrument_id string      Unique identifier for the instrument (UUID-4)
      instrument_name string     DEFAULT:Untitled instrument
                                Human-readable name of the instrument
      file_name     string     DEFAULT:Untitled file
                                The name of the input file
    }
  ]
}
```

file_type	enum	ALLOWED: pdf, xlsx, txt The file type (pdf, xlsx, txt)
file_section	string	The sub-section of the file, e.g. Excel tab
study	string	The study
sweep	string	The sweep
metadata {		Optional metadata about the instrument (URL, citation, DOI, copyright holder)
}		
language	enum	DEFAULT: en ALLOWED: de, el, en, es, fr, it, he, ja, ko, pt, ru, uk, zh, ar, la, tr, af, ak, am, as, ay, az, be, bg, bho, bm, bn, bs, ca, ceb, ckb, co, cs, cy, da, doi, dv, ee, eo, et, eu, fa, fi, fil, fy, ga, gd, gl, gn, gom, gu, ha, haw, hi, hmn, hr, ht, hu, hy, id, ig, ilo, is, jv, ka, kk, km, kn, kri, ku, ky, lb, lg, ln, lo, lt, lus, lv, mai, mg, mi, mk, ml, mn, mni-mtei, mr, ms, mt, my, ne, nl, no, nso, ny, om, or, pa, pl, ps, qu, ro, rw, sa, sd, si, sk, sl, sm, sn, so, sq, sr, st, su, sv, sw, ta, te, tg, th, ti, tk, tl, ts, tt, ug, ur, uz, vi, xh, yi, yo, zh-tw, zu, yue The ISO 639-2 (alpha-2) encoding of the instrument language

questions* [{
Array of object:

question_no	string	Number of the question
question_intro	string	Introductory text applying to the question
question_text*	string	Text of the question
options	[string]	
source_page	integer	DEFAULT: 0 The page of the PDF on which the question was located, zero-indexed
instrument_id	string	Unique identifier for the instrument (UUID-4)
instrument_name	string	Human readable name for the instrument
topics_auto	[undefined]	
nearest_match_from_mhc_auto {		Automatically identified nearest MHC match
}		

}]
}]
query string Search term
parameters {
Parameters on how to match

framework	string	DEFAULT: huggingface The framework to use for matching
model	string	DEFAULT: sentence-transformers/paraphrase-multilingual-MiniLM-L12-v2 Model

}
}

RESPONSE

STATUS CODE - 200: Successful Response

RESPONSE MODEL - application/json

```
{
  questions* [{
    question_no      string      Number of the question
    question_intro   string      Introductory text applying to the question
    question_text*   string      Text of the question
```

```

options      [string]
source_page  integer      DEFAULT:0
                                The page of the PDF on which the question was located, zero-indexed
instrument_id string      Unique identifier for the instrument (UUID-4)
instrument_name string     Human readable name for the instrument
topics_auto  [undefined]
nearest_match_from_mhc_auto {
  Automatically identified nearest MHC match
}
}]
matches* [{
  Array of object:
}]
query_similarity [undefined]
}

```

STATUS CODE - 422: Validation Error

RESPONSE MODEL - application/json

```

{
  detail [{
    Array of object:
    loc*
      ANY OF
      prop0
        string
      prop1
        integer
    msg* string
    type* string
  }]
}

```
