

PSYDEX AG - PQL (PSYDEX QUERY LANGUAGE)

PQL is an intuitive syntax for requesting information from AG. PQL expressions are made up of words, phrases, symbols and logical operators that define a high order concept (e.g. person, place, thing, and event) as well as more abstract concepts (e.g. fear, sentiment). Multiple languages (e.g. English, Chinese, and Arabic) can be combined into a single expression. In addition to simple word, phrase expressions, the following operators may be combined to produce high-precision queries. PQL expressions can be changed dynamically and are always processed Ad Hoc in real time across all data in AG. Topic Models in AG are simply saved PQL expressions. PQL expressions are used as criteria in API Calls to retrieve Content, Statistics, Time Series, etc.

() **Sets**

Phrases separated by commas where the comma denotes **disjunction (OR)**

ex. (Apple Computer, رتوي بمك لبأ فئرش, 苹果电脑, iPhone, iPod, ipad, imac, itablet)

+ **Conjunction (AND)**

Co-Referenced within 1024 tokens or 10 seconds in a Stream

ex. (IBM, مإ يب يآ, IBM公司, big blue, International Business Machines, ةيراجتلا تالآ,

ةيلودلا, 国际商业机器) + (acquired, بس تكم, 收购, is acquiring, will acquire)

{n} **Unordered Proximity**

Tokens are adjacent to each other and within a specified # of tokens apart

ex. (IBM, مإ يب يآ, IBM公司, big blue, ةيلودلا ةيراجتلا تالآ, 国际商业机器, International Business

Machines) {5} (acquired, بس تكم, 收购, is acquiring, will acquire)

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Tokens are adjacent to each other and ordered within a specified # of tokens apart

ex. (IBM, مإ يب يآ, IBM公司, big blue, ةيلودلا ةيراجتلا تالآ, 国际商业机器, International Business

Machines) [5] (acquired, بس تكم, 收购, is acquiring, will acquire)

\$ **Semantic Expansion**

Expand topics based on symbol and morph expression to include related terms.

ex. (\$IBM) {10} (\$Acquisition)

- **Negation**

Match where include terms are present and excluded are not

ex. Iraq - nuclear
