# Engarde module for Perl

The Engarde module provides an object interface to Engarde competition data.

All of the data is read directly from the Engarde files

## Basic Usage

#!perl –w

use Engarde;

# open the competition – make sure you include “competition.egw” in the path

my $c = Engarde->new(“c:\\escrime\\comp1\\competition.egw”);

# pre-load fencers, clubs and nations (otherwise, loaded on demand)

$c->initialise;

# now all of the competition detail can be accessed using auto generated accessor methods. e.g. to display the “foo” property you would use $c->foo();

print “Competition title is :” . $c->titre\_reduit();

## Methods

### Competition Object

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| --- | --- | --- |
| **Method** | **Arguments** | **Description** |
| match | tableau name  match no | Returns a hash ref containing all of the match information. The data returned is fully decoded. |
| tireur | fencer id (optional) | If called with a fencer id, returns an Engarde::Tireur object for the specified id otherwise pre-loads all fencers into the competition . |
| nation | nation id (optional) | If called with a nation id returns the name of the nation otherwise pre-loads all nations into the competition. |
| club | Club id (optional) | If called with a club id returns the name of the club otherwise pre-loads all clubs into the competition. |
| tableau | tableau name  decode (optional) | Returns an Engarde::Tableau object for the specified tableau. If called with a non-zero (true) decode parameter, returns a fully decoded hash ref to the tableau data instead of the object. |
| poule | round no  poule no | Returns an Engarde::Poule object for the specified round & poule no |
| ranking | type (default = “o”) | Returns a hash ref containing the requested ranking data. If called with a type of “o” (or null) returns an overall ranking, if called with a type of “p” returns a ranking after the poules. |
| fpp |  | Returns a hash ref of fencers, poules and pistes. |
| arme |  | returns a single character indicating the weapon – f = foil, e = epee, s = sabre |
| sexe |  | returns the default sex of the competition m = male or f = female |
| tableaux | current (optional) | Returns a list (array) of completed tableau names sorted in ranking order (lowest ranking first). If called with a non-zero argument, returns only the current active tableau. |
| whereami |  | Returns a string indicating the current stage of the competition.  “poules finished” = all results in but tableaux not drawn  “tableau xx” = in the tableau, current stage is “xx”  “poules x y” = in the poules, there are x poules in total and y still not entered  “termine” = the competition is finished |
|  |  |  |

### Tireur Object

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| --- | --- | --- |
| **Method** | **Arguments** | **Description** |
| nom |  | Returns the full name in the format normally used by Engarde. e.g. “SMITH Peter” |
| club |  | Returns the primary club id for this fencer |
| nation |  | Returns the nation id for this fencer |
| rangpou | rang (optional) | Returns the ranking after the poules for this fencer. If called with a parameter, sets the ranking. |
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### Tableau Object

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| --- | --- | --- |
| **Method** | **Arguments** | **Description** |
| match | match no | Returns the specified Engarde::Tableau::Match object |

## Examples

### Printing a ranking

my $r = $c->ranking;

foreach my $f (sort {$r->{$a}->{seed} <=> $r->{$b}->{seed}} keys %$r)

{

print "$r->{$f}->{seed} $r->{$f}->{nom}\n";

}