TinyExpr++

C++ formula parsing and evaluation system

```
te_parser tep;
tep.set_variables_and_functions({

/* This will compile the expression
if (tep.compile(expression))
    {
    x = 3; y = 4;
    const double r = tep.evaluate();
    std::cout << "Result:\n\t" << r << "\n";
    }
else
    {
    /* Show the user where the error is at.
    std::cout << "\t " << std::setfill(' ') <<
        std::setw(tep.get_last_error_position()) << '^' <<
        "\tError near here\n";
    }
```

```
/* Returns the p-level of a study if:
   p-level < 5% AND
   number of observations was at least 30.
   Otherwise, NaN is returned. */

IF(// Review the results from the analysis
   AND(P_LEVEL < .05, N_OBS >= 30),
   // ...and return the p-level if acceptable
   P_LEVEL,
   // or NaN if not
   NAN)
```

The Comprehensive Programming Manual

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