

TinyExpr++

C++ formula parsing and evaluation system

```
te_parser tep;
tep.set_variables_and_functions({{"x", 5}, {"y", 6}});

/* This will compile the expression and check for errors */
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 and what the error is */
    std::cout << "\t" << std::setfill(' ') << "Error: " << tep.get_last_error() << "\n";
    std::setw(tep.get_last_error_position()) << "\t" << "Error 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
User Reference &
Programming Manual*

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