Specification for `parse.formula`

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1 Introduction

2 Types of Formula

There are three basic ways to specify formulae in Zelig.

1. A single formula with a single outcome term and one or more response terms. For example,
   - `y ~ 1`
   - `y ~ x1 + x2 + x3`
2. A single formula with a multiple outcome terms specified with `cbind` or `list` and one or more response terms. For example,
   - `cbind(y1, y2) ~ x1 + x2`
   - `list(y1, y2) ~ x1 + x2`
3. A list of formulas of the first type - single outcome terms with one or more response terms. For example,
   - ```
     list(
           y1 ~ x1,
           y2 ~ x1 + x2
           )
     ```
   - ```
     list(
           mu1 = y1 ~ x1,
           mu2 = y2 ~ 1
           )
     ```

3 parse.formula

4 model.matrix

This should be given a Zelig-style formula. As output, it will produce a valid model matrix. Care should be taken that matrices of simulations have the same column order of this model.matrix. Otherwise, simulations will produce invalid results.