I. 주요 모형들의 기본 명령어 (Stata 15 manual)

Linear mixed-effects models

Linear model of y on x with random intercepts by id

```
mixed y x || id:
```

Three-level linear model of y on x with random intercepts by doctor and patient

```
mixed y x || doctor: || patient:
```

Linear model of y on x with random intercepts and coefficients on x by id

```
mixed y x || id: x
```

Same model with covariance between the random slope and intercept

```
mixed y x || id: x, covariance(unstructured)
```

Linear model of y on x with crossed random effects for id and week

```
mixed y x || _all: R.id || _all: R.week
```

Same model specified to be more computationally efficient

```
mixed y x || _all: R.id || week:
```

Full factorial repeated-measures ANOVA of y on a and b with random effects by field

```
mixed y a##b || field:
```

Generalized linear mixed-effects models

Logistic model of y on x with random intercepts by id, reporting odds ratios

```
melogit y x || id: , or
```

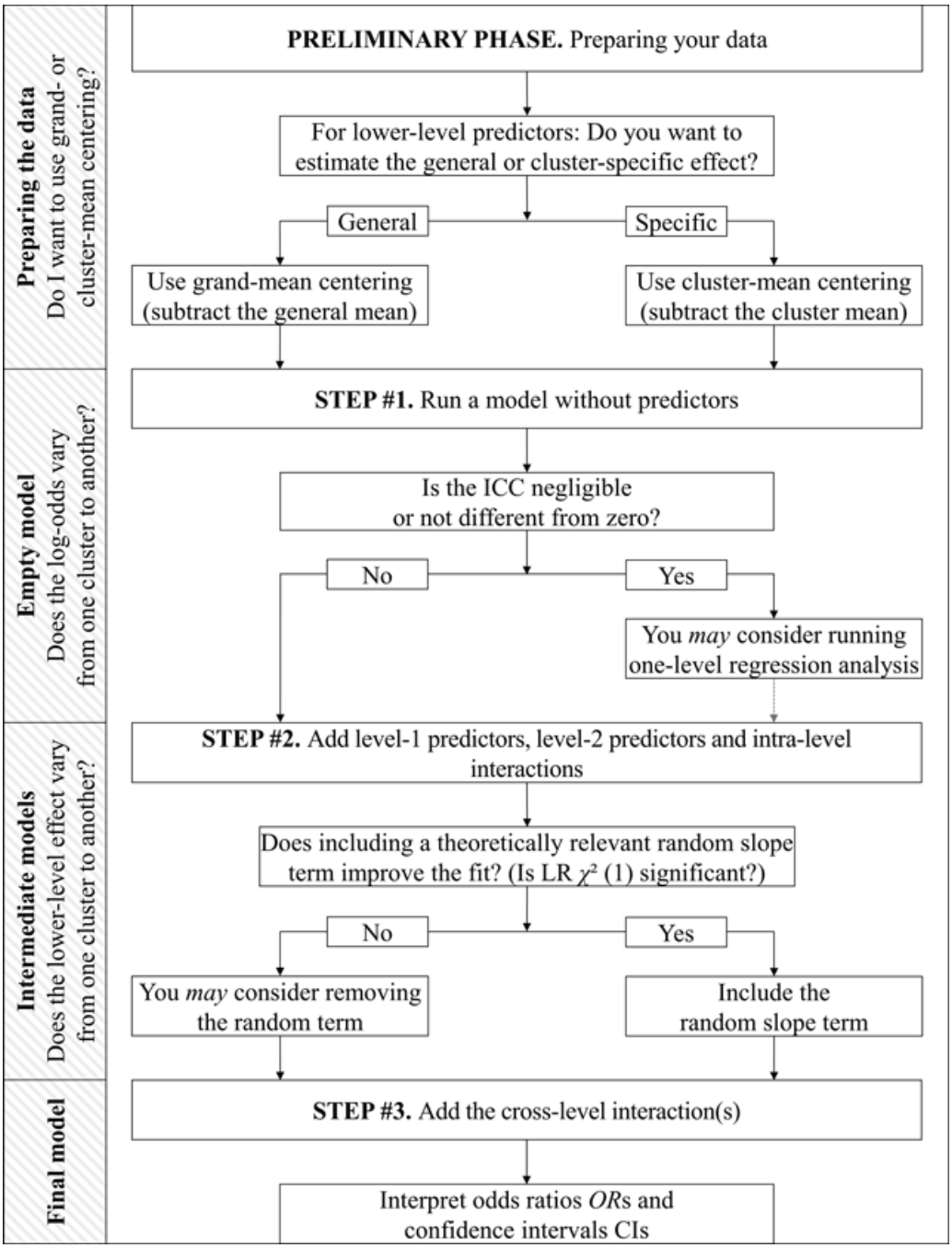
Same model specified as a GLM

```
meglm y x || id:, family(bernoulli) link(logit)
```

Three-level ordered probit model of y on x with random intercepts by doctor and patient

```
meoprobit y x || doctor: || patient:
```

II. Summary of the three-step simplified procedure for multilevel logistic regression



Source: Sommet and Morselli (2017) http://doi.org/10.5334/irsp.90