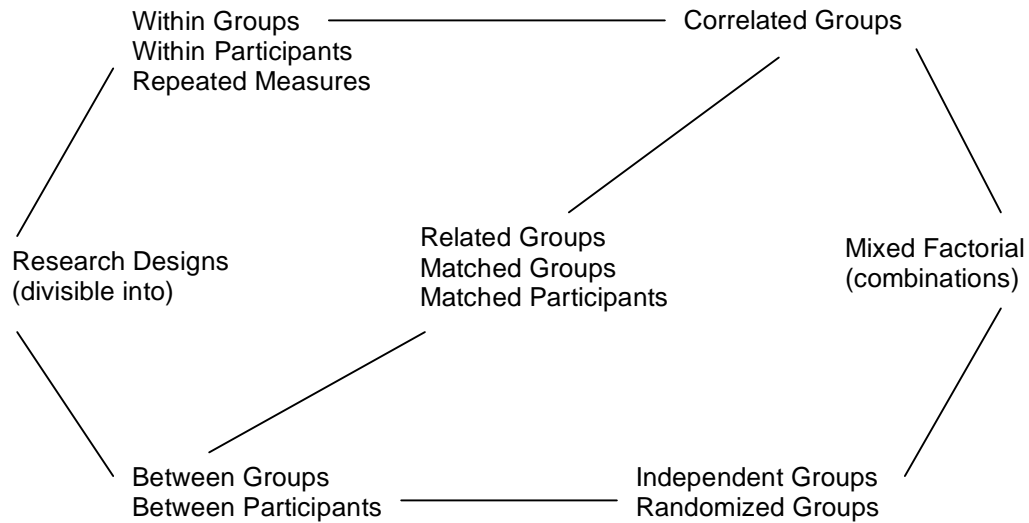


EXPERIMENTAL AND QUASI-EXPERIMENTAL DESIGNS CATEGORY-SUBCATEGORY RELATIONSHIPS



Research designs can be divided into those that compare the effects of different levels of an independent variable *within* one or more groups of participants/subjects, and those that compare the effects *between* different groups of participants. The *between-groups designs* are in turn divided into those consisting of *independent groups* of participants and those consisting of *related, or matched, groups* of participants. Both *related-groups designs* and *within-groups designs* are forms of *correlated-groups designs*. Finally, *mixed factorial designs* are a type of multiple treatment design that combines in a single study both *correlated groups* of participants to investigate the effects of one or more independent variables, and also *independent groups* of participants for one or more of the other independent variables.