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- G*Power offers five different types of statistical power analysis:

    - A priori (sample size N is computed as a function of power level 1-β, significance level α, and the to-be-detected population effect size)

    - Compromise (both α and 1-β are computed as functions of effect size, N, and an error probability ratio q = β/α)

    - Criterion (α and the associated decision criterion are computed as a function of 1-β, the effect size, and N)

    - Post-hoc (1-β is computed as a function of α, the population effect size, and N)

    - Sensitivity (population effect size is computed as a function of α, 1-β, and N)

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