Figure 1: Statistical methods for comparing two independent groups or samples
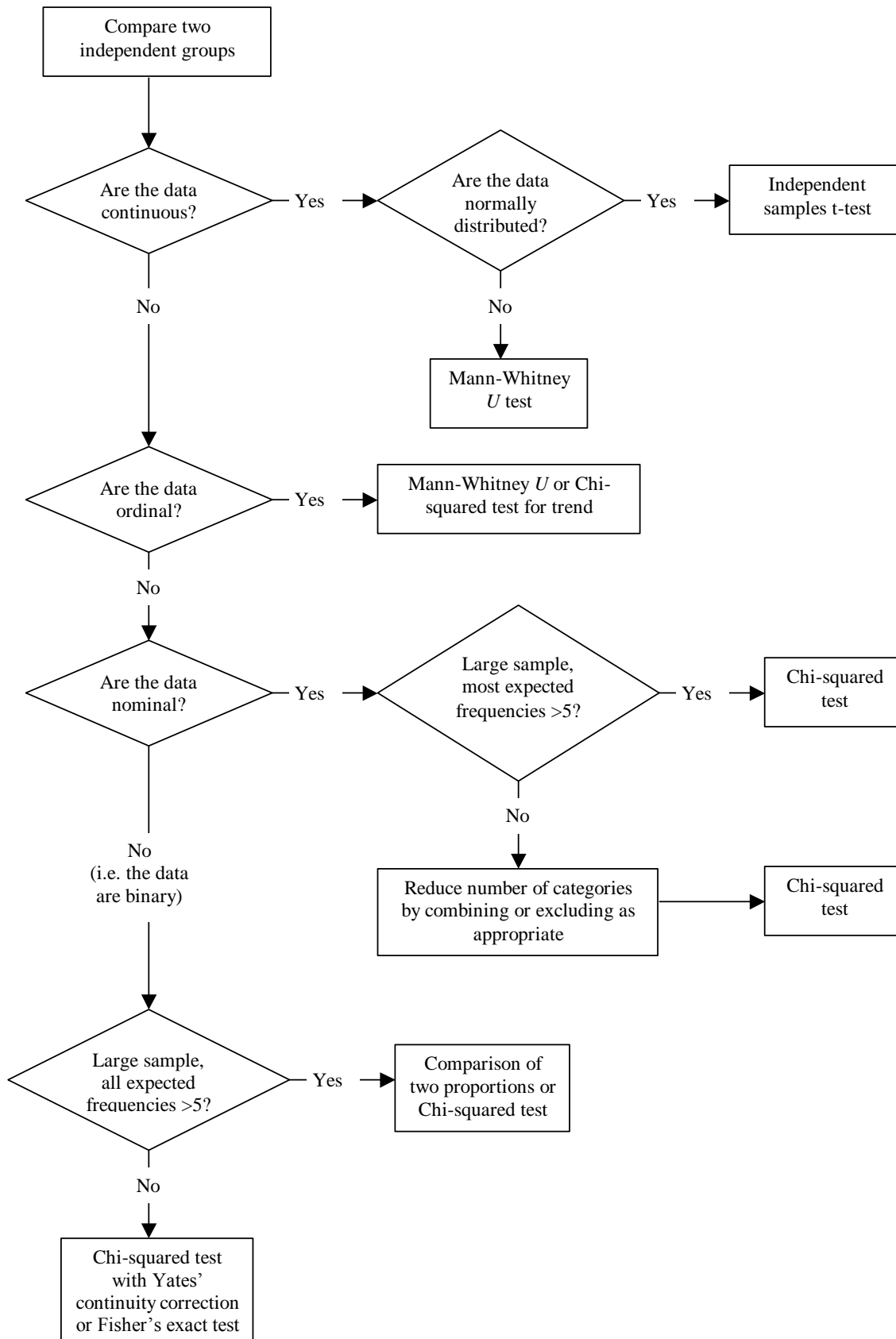
Figure 2: Statistical methods for comparing differences or paired samples

```
┌─────────────────────┐
│ Compare differences │
│ or paired samples   │
└─────────────────────┘
          │
          ▼
    ╱─────────╲                    ╱──────────╲
   ╱ Is the data ╲    Yes ──────▶ ╱  Are the   ╲    Yes ──▶  ┌──────────────┐
  ╱  continuous?  ╲ ───────────  ╱   data       ╲ ─────────  │ Paired t-test│
   ╲             ╱               ╲  normally    ╱            └──────────────┘
    ╲─────────╱                   ╲ distributed?╱
        │                          ╲──────────╱
        No                              │
        │                               No
        ▼                               │
                                        ▼
                                ┌──────────────────┐
                                │ Wilcoxon matched │
                                │ pairs test       │
                                └──────────────────┘

    ╱─────────╲                    ┌──────────────────┐
   ╱ Is the data ╲    Yes ──────▶  │ Sign test or     │
  ╱  ordinal?     ╲ ───────────    │ Wilcoxon matched │
   ╲             ╱                 │ pairs test       │
    ╲─────────╱                    └──────────────────┘
        │
        No
        │
        ▼
    ╱─────────╲                    ┌──────────────────┐
   ╱ Is the data ╲    Yes ──────▶  │ Stuart-Maxwell   │
  ╱  nominal?     ╲ ───────────    │ test             │
   ╲             ╱                 └──────────────────┘
    ╲─────────╱
        │
        No
   (I.e. the date
    are binary.)
        │
        ▼
┌──────────────────┐
│ McNemar's test   │
└──────────────────┘
```