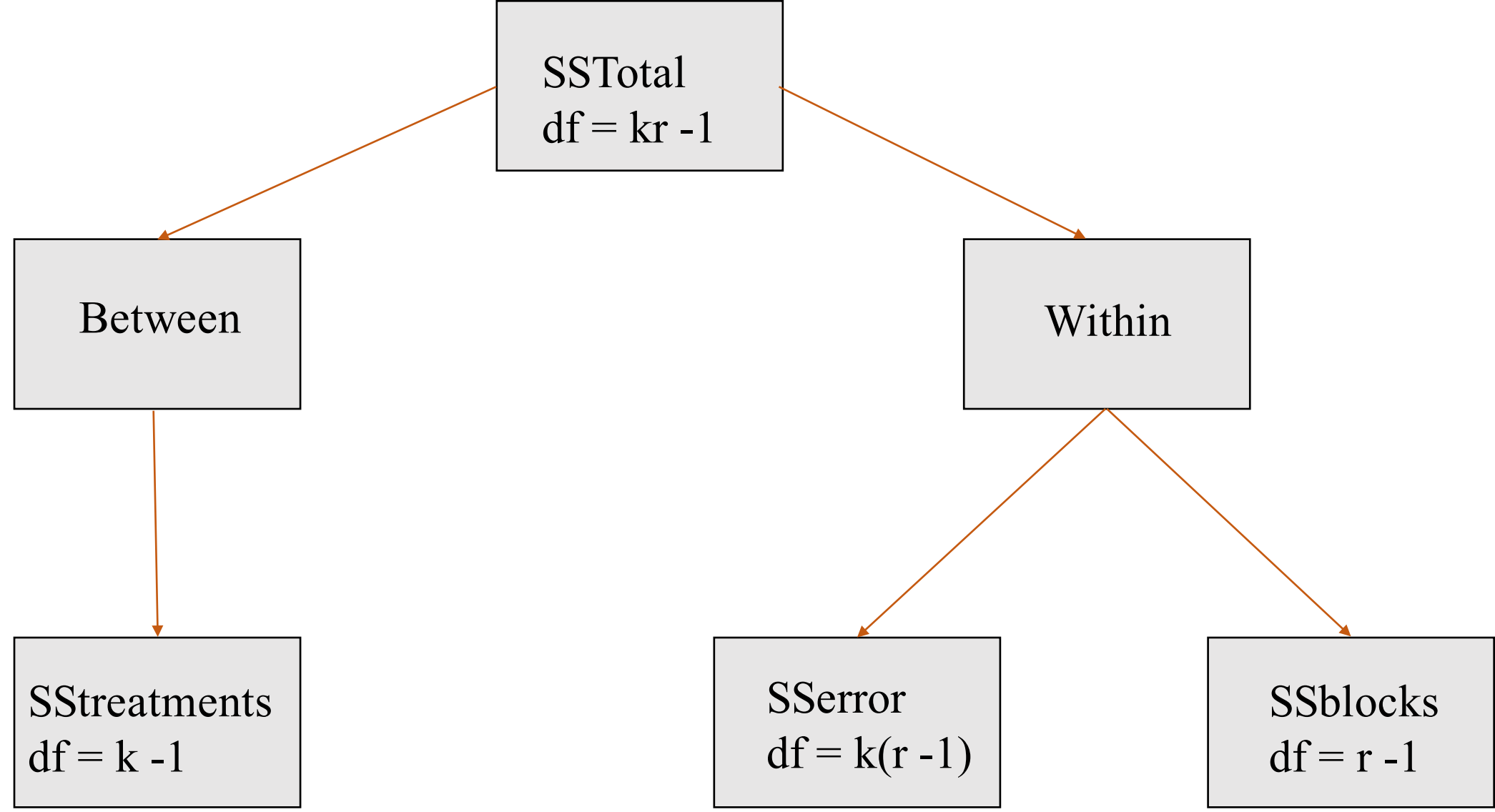


SSTotal  
 $df = kr - 1$



```
graph TD; A["SSTotal<br/>df = kr - 1"] --> B["Between"]; A --> C["Within"]; B --> D["SStreatments<br/>df = k - 1"]; C --> E["SError<br/>df = k(r - 1)"]; C --> F["SSblocks<br/>df = r - 1"];
```

This diagram illustrates the decomposition of total sum of squares (SS) in an ANOVA. The total sum of squares (SSTotal) is partitioned into between-group and within-group components. The between-group component is further partitioned into treatment and error components, while the within-group component is partitioned into error and block components.

Between

Within

SStreatments  
 $df = k - 1$

SError  
 $df = k(r - 1)$

SSblocks  
 $df = r - 1$