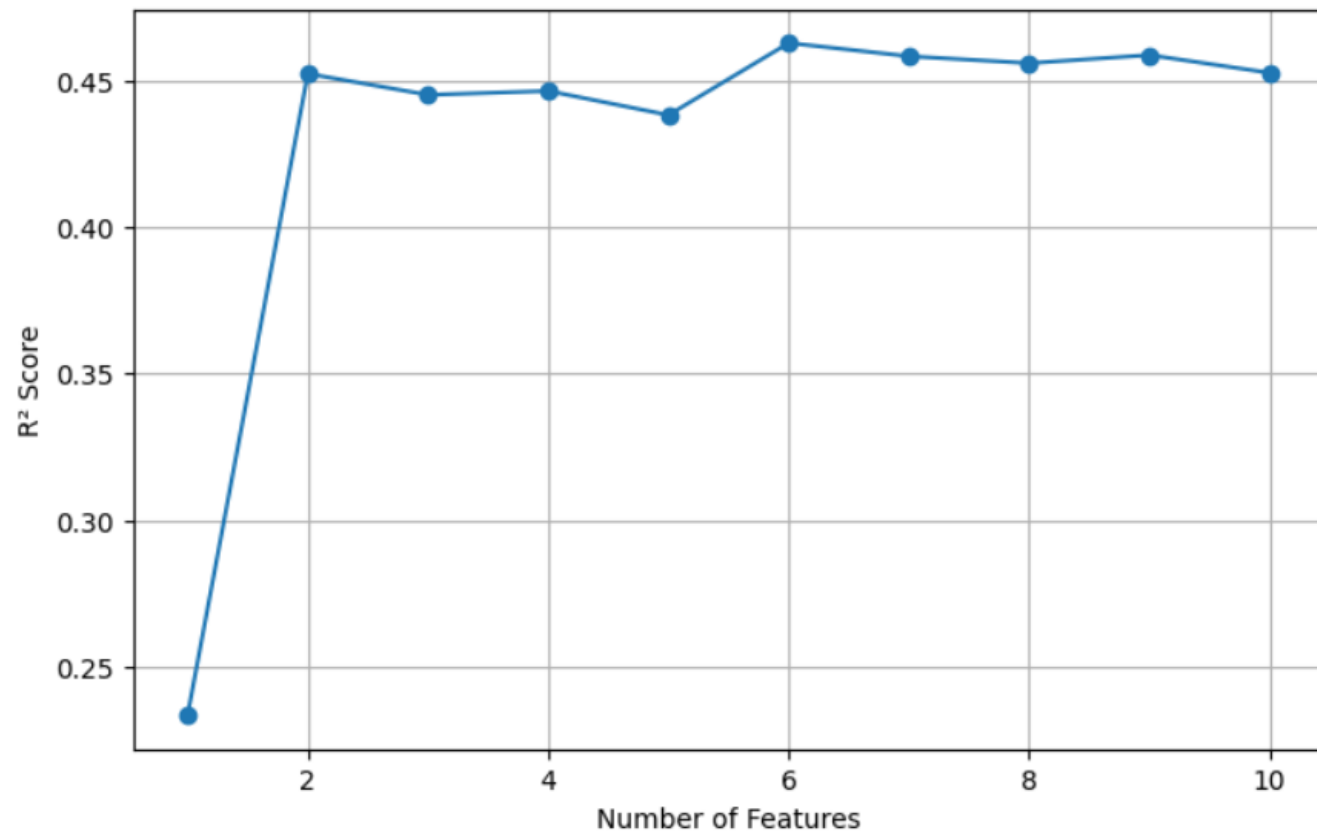


R² Score vs. Number of Features Retained



Optimal Number of Features: 2

Coefficients for All Features (Final Iteration):

```
age      37.904021
sex     -241.964362
bmi      542.428759
bp       347.703844
s1     -931.488846
s2       518.062277
s3       163.419983
s4       275.317902
s5       736.198859
s6        48.670657
dtype: float64
```

Top 3 Most Important Features:

```
s1      931.488846
s5      736.198859
bmi     542.428759
dtype: float64
```

Initial Feature Rankings (from RFE):

age 1

sex 1

bmi 1

bp 1

s1 1

s2 1

s3 1

s4 1

s5 1

s6 1

dtype: int32