



Quadratic Experiment

```

model_quad11 <- glm(formula = fund_return_2020_q3 ~ equity_style_score +
  equity_size_score +
  environmental_score + I(environmental_score^2) + I(environmental_score^3) + I(environmental_score^4) + I(environmental_score^5) +
  social_score +
  governance_score +
  sustainability_score,
  family = "binomial",
  data = data)

model_quad19 <- glm(formula = fund_return_2020_q3 ~ equity_style_score +
  equity_size_score +
  environmental_score +
  social_score +
  governance_score + I(governance_score^2) + I(governance_score^3) + I(governance_score^4) + I(governance_score^5) +
  sustainability_score,
  family = "binomial",
  data = data)

model_quad18 <- glm(formula = fund_return_2020_q3 ~ equity_style_score +
  equity_size_score +
  environmental_score +
  social_score +
  governance_score + I(governance_score^2) + I(governance_score^3) + I(governance_score^4) +
  sustainability_score,
  family = "binomial",
  data = data)
  
```

Baseline

```

# model Base line
modell1 <- glm(fund_return_2020_q3 ~ equity_style_score + equity_size_score + environmental_score + social_score + governance_score + sustainability_score ,
  data = data,
  family="binomial")
  
```

```

> print(your_data_sorted)
  Model AIC_Score
1  model_quad11 2182.128
2  model_quad19 2108.766
3  model_quad18 2113.795
4  model_quad17 2116.842
5  model_quad14 2125.234
6  model_quad15 2127.229
7  model_quad16 2132.018
8  model_quad10 2133.670
9  model_quad9 2134.905
10 model_quad13 2136.589
11 model_quad12 2151.254
12 model_quad23 2164.579
13 model_quad22 2164.633
14 model_quad21 2164.636
15 model_quad7 2175.036
16 model_quad6 2176.207
17 model_quad20 2176.462
18 model_quad0 2179.125
19 model_quad4 2180.249
20 baseline_model 1 2180.276
21 model_quad2 2180.576
22 model_quad1 2181.084
23 model_quad8 2181.520
24 model_quad5 2182.200
25 model_quad3 2182.302
  
```