

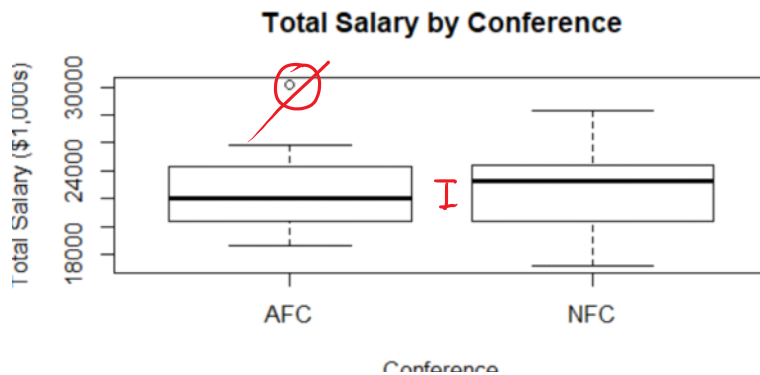
	TEAM	QB	TOTAL	CONF
1	49ERS	900	17256	NFC
2	BEARS	3000	23074	NFC
3	BENGALS	1050	20666	AFC
4	BILLS	650	24249	AFC
5	BRONCOS	500	21992	AFC
6	BROWNS	967	19413	AFC

```

NFL.data 28 obs. of 4 variables
TEAM : Factor w/ 28 levels "49ERS","BEARS",...: 1 2 3 4 5 6 7 8 9...
QB : int 900 3000 1050 650 500 967 675 1450 1200 1100 ...
TOTAL: int 17256 23074 20666 24249 21992 19413 19545 20397 18698...
CONF : Factor w/ 2 levels "AFC","NFC": 2 2 1 1 1 1 2 2 1 1 ...
Values
dCONF num [1:28] 1 1 0 0 0 0 1 1 0 0 ...

```

AFC is a baseline!



```

Call:
lm(formula = TOTAL ~ dCONF)

Residuals:
    Min       1Q   Median       3Q      Max
-5375.0 -2208.6   528.5  1680.9  7540.9

Coefficients:
(Intercept) 22590.14    807.16  27.987 <2e-16 ***
dCONF       40.86    1141.50   0.036  0.972
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3020 on 26 degrees of freedom
Multiple R-squared:  4.927e-05, Adjusted R-squared:  -0.03841
F-statistic: 0.001281 on 1 and 26 DF, p-value: 0.9717

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$\hat{\beta}_0$ : average team salary of AFC is \$22590.14.

$\hat{\beta}_1$ : average difference in salary between AFC and NFC is \$40.86.