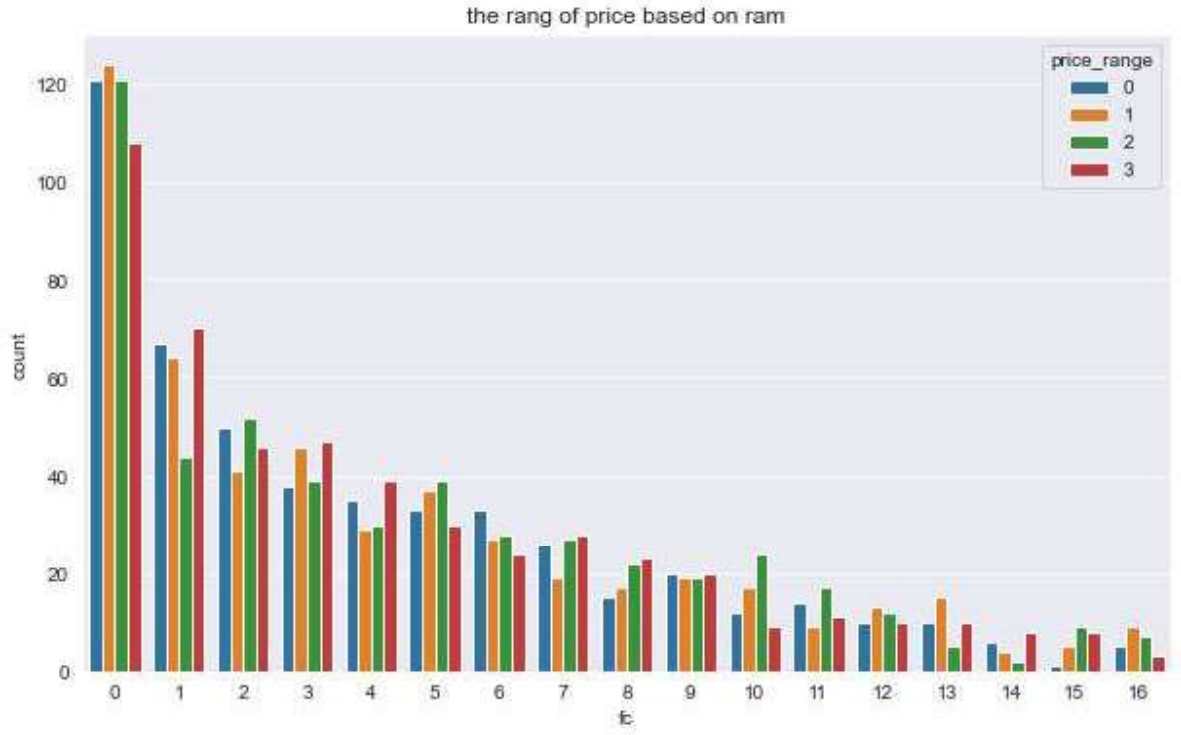
In [46]:

```
# #   remove the outlier


df=df[(df['fc']<17)]
```

In [47]:

```
plt.figure(figsize=(10,6))
sns.countplot(x='fc', data=df, hue= 'price_range').set_title('the rang of price based c
```



Baseline Model

In [48]:

```
def baseline_model(n_preds, pred):
    return pd.Series([pred for n in range(n_preds)])

# make baseline preds
baseline_preds = baseline_model(len(y_test), np.mean(y_train))
```

In [49]:

```
mse_bl=mean_squared_error(y_true=y_test,
                          y_pred=baseline_preds,
                          squared=False)
mse_bl
```

Out[49]:

```
1.1228495071134867
```

Linear Regression model