

## Regression Report – David

### Initial check

What number of requests don't have the same product\_cd for all their inquiries? (Out of 319,733):

**13,649**

What number and percentage of *List requests* have this property?

Number: **13,088**

Percentage: **4.116 %**

What number and percentage of *individual List inquiries* have this property?

Number: **217,503**

Percentage: **5.078369 %**

### Regressions run

```
subset <- df.inquiry %>% filter(pt == 0,  
                                product_cd == "USHY",  
                                p_type != "Broker-Dealer",  
                                list_length >= 20,  
                                numsublists < list_length/2,  
                                5 < sublist_length)
```

```
regr1 <- felm(filled ~ trans_cost + mediancost_insublist + mediancost_outsidesublist |  
              req_id | 0 | req_id + date, data = subset)
```

```
regr2 <- felm(filled ~ trans_cost + mincost_insublist + mincost_outsidesublist | req_id | 0 |  
              req_id + date, data = subset)
```

	coef_regr1
<i>trans_cost</i>	−1.81794852389952
<i>mediancost_insublist</i>	3.42094767611718
<i>mediancost_outsidesublist</i>	0.502206258150197

	coef_regr2
<i>trans_cost</i>	−1.98218601921402
<i>mincost_insublist</i>	−0.301220984280883
<i>mincost_outsidesublist</i>	−0.300257346546384

	errors_regr1
<i>trans_cost</i>	0.898618854249641
<i>mediancost_insublist</i>	0.624911897485696
<i>mediancost_outsidesublist</i>	0.246723982943926

	errors_regr2
<i>trans_cost</i>	0.929889081068097
<i>mincost_insublist</i>	0.167883727124125
<i>mincost_outsidesublist</i>	0.167391131664119

	pval_regr1
<i>trans_cost</i>	0.0441863877045554
<i>mediancost_insublist</i>	1.11270968886966e−07
<i>mediancost_outsidesublist</i>	0.0429087233119571

	pval_regr2
<i>trans_cost</i>	0.0340615044106872
<i>mincost_insublist</i>	0.074046593809689
<i>mincost_outsidesublist</i>	0.0741229279068706