

# finding in category

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Cross tabulation for category and subCategory in mainCategory 1

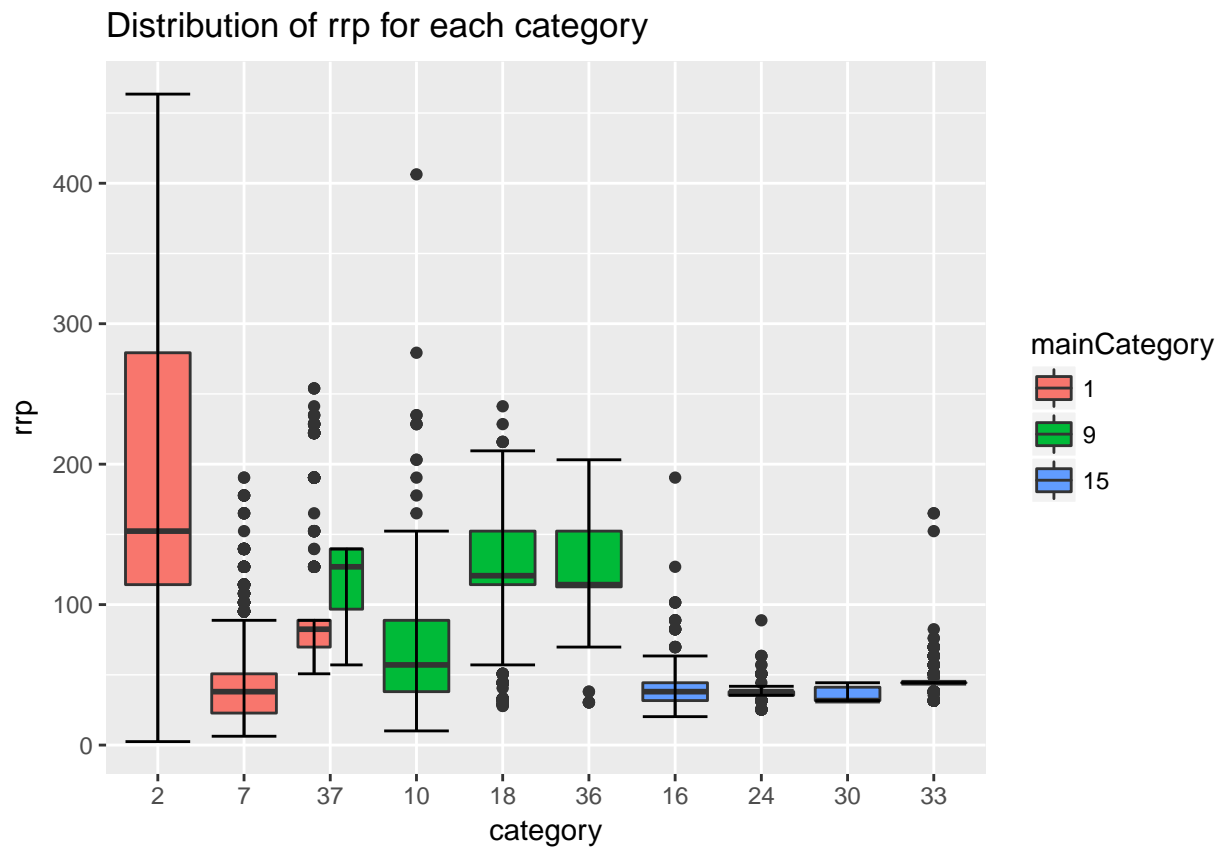
##	category	2	7	37	Sum
##	subCategory				
## 3		2006	0	366	2372
## 4		326	0	0	326
## 5		465	0	94	559
## 6		518	0	105	623
## 8		0	725	0	725
## 11		0	89	0	89
## 12		0	88	0	88
## 13		0	460	0	460
## 14		0	533	0	533
## 16		0	665	0	665
## 17		0	96	0	96
## 20		0	149	0	149
## 21		0	1082	0	1082
## 22		0	385	0	385
## 23		0	173	0	173
## 25		0	347	0	347
## 26		0	38	0	38
## 27		9	0	0	9
## 28		0	124	0	124
## 29		0	10	0	10
## 31		0	252	0	252
## 34		0	4	0	4
## 39		375	0	59	434
## 40		0	35	0	35
## 41		0	7	0	7
## 43		0	14	0	14
## 44		6	0	0	6
## Sum		3705	5276	624	9605

Cross tabulation for category and subCategory in mainCategory 9

##	category	10	18	36	37	Sum
##	subCategory					
## 11		129	0	0	0	129
## 14		201	0	0	0	201
## 19		0	2	0	0	2
## 22		129	0	0	0	129
## 23		5	0	0	0	5
## 25		163	0	0	0	163
## 29		15	0	0	0	15
## 32		0	874	240	50	1164
## 35		210	0	0	0	210
## 38		0	42	4	0	46
## 42		21	0	0	0	21
## Sum		873	918	244	50	2085

mainCategory 15 have no subCategory

```
##
## 16 24 30 33
## 491 193 11 439
```



mainCategory 1 has large variance, especially for category 2. rrp for mainCategory 15 has the smallest variance, and is cheapest.