

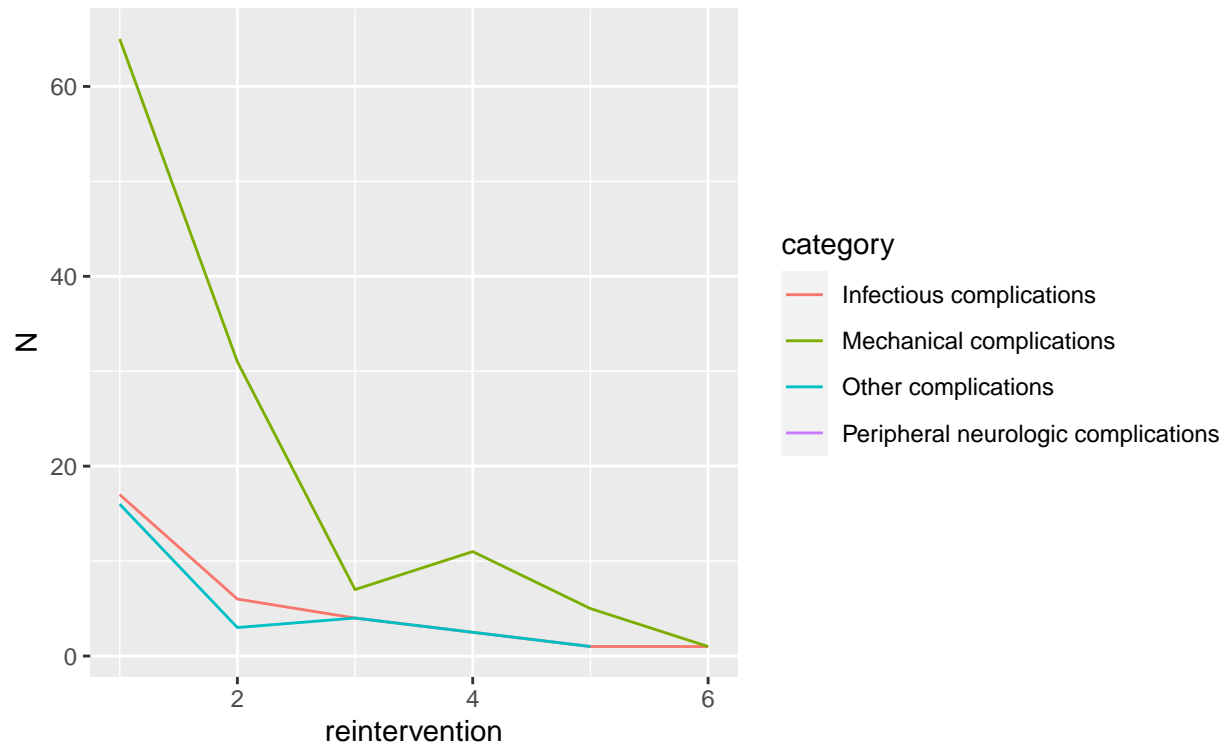
# Reinterventions exploration

## Complications

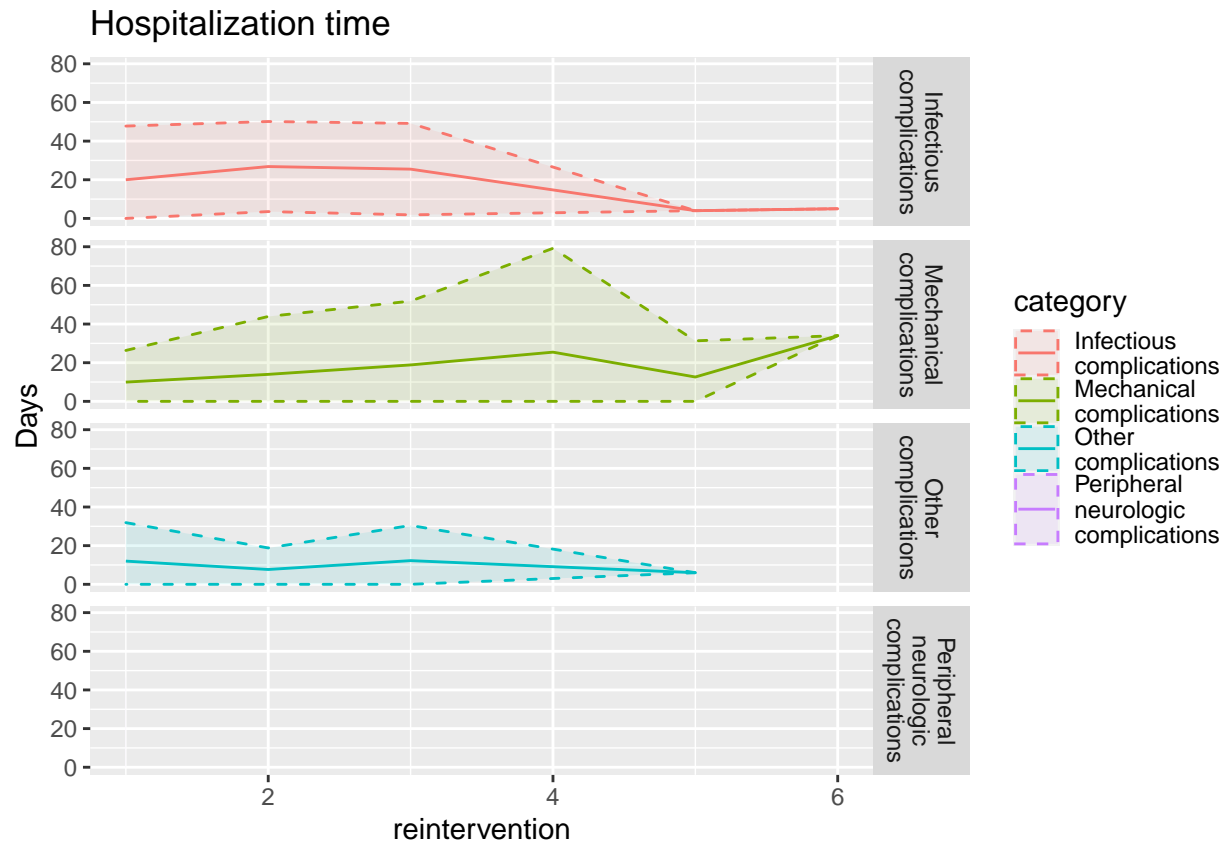
##		category	N	prop
## 1:		Infectious complications	29	0.15675676
## 2:		Mechanical complications	120	0.64864865
## 3:	Peripheral neurologic complications		12	0.06486486
## 4:		Other complications	24	0.12972973

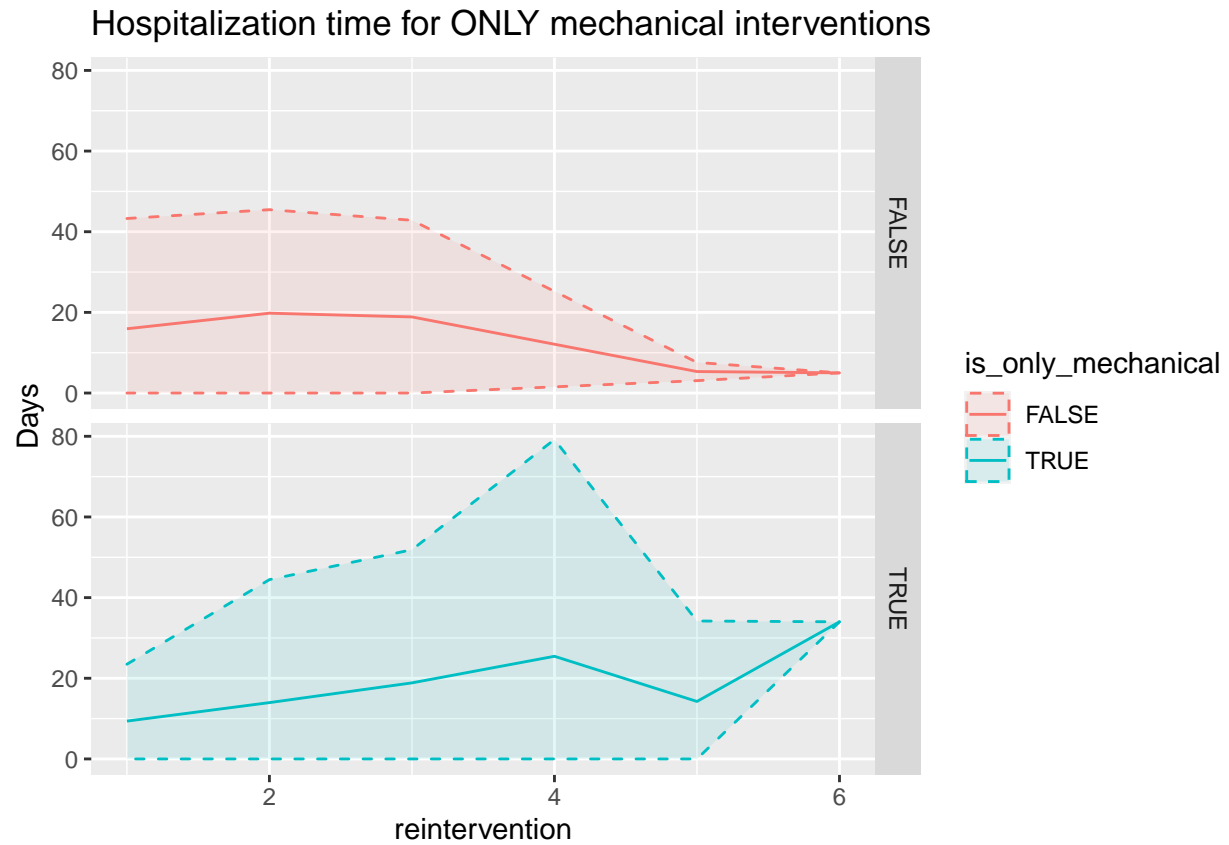
  

##	reintervention		category	N
## 1:	1		Infectious complications	17
## 2:	2		Mechanical complications	31
## 3:	1		Mechanical complications	65
## 4:	2		Infectious complications	6
## 5:	3		Infectious complications	4
## 6:	1	Peripheral neurologic complications		12
## 7:	3		Mechanical complications	7
## 8:	1		Other complications	16
## 9:	3		Other complications	4
## 10:	4		Mechanical complications	11
## 11:	5		Infectious complications	1
## 12:	6		Infectious complications	1
## 13:	5		Mechanical complications	5
## 14:	6		Mechanical complications	1
## 15:	2		Other complications	3
## 16:	5		Other complications	1



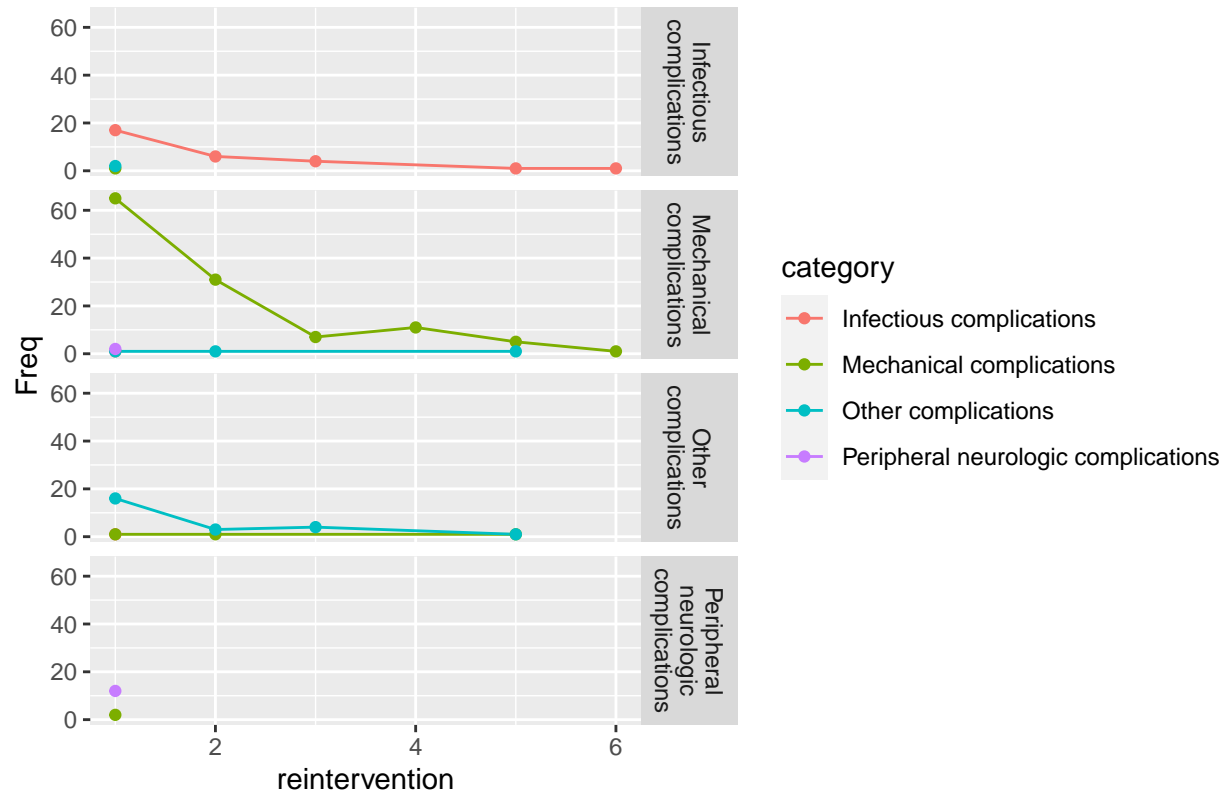
```
## geom_path: Each group consists of only one observation. Do you need to adjust  
## the group aesthetic?
```

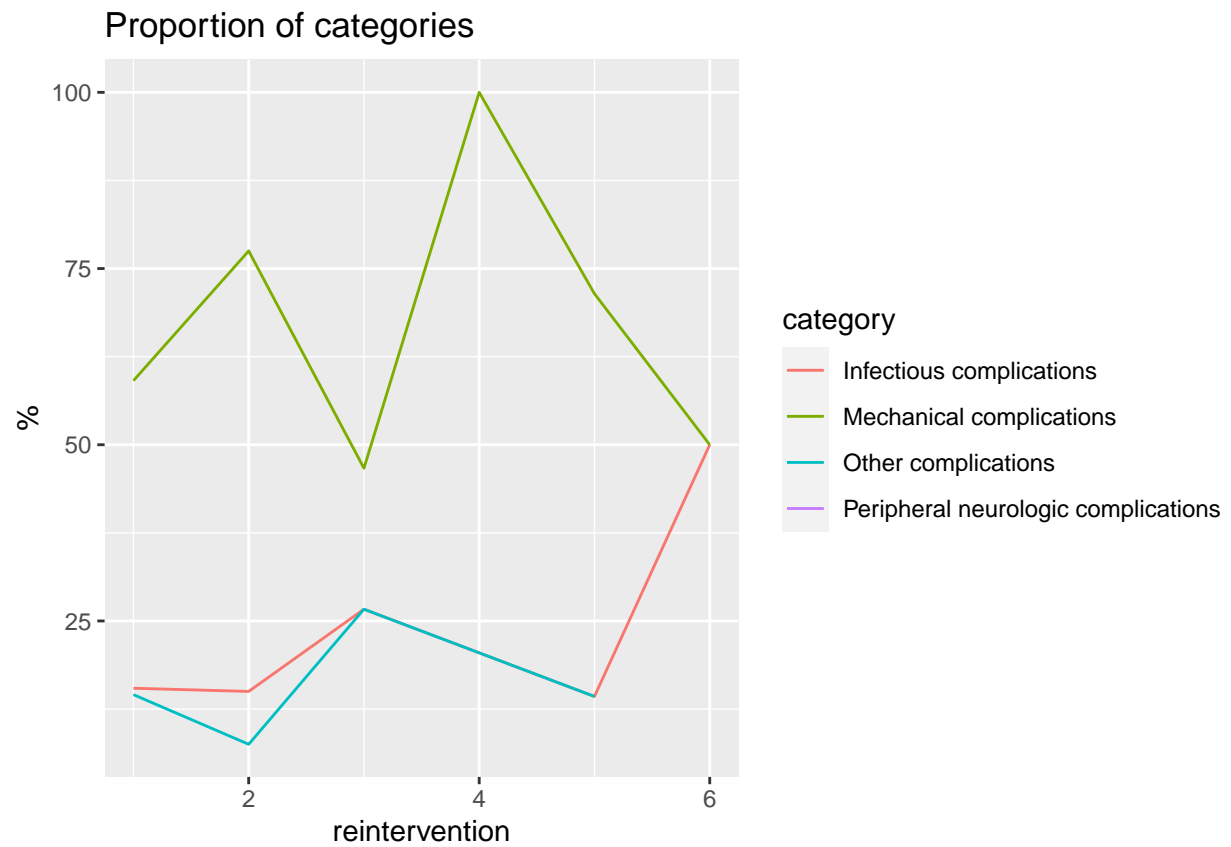




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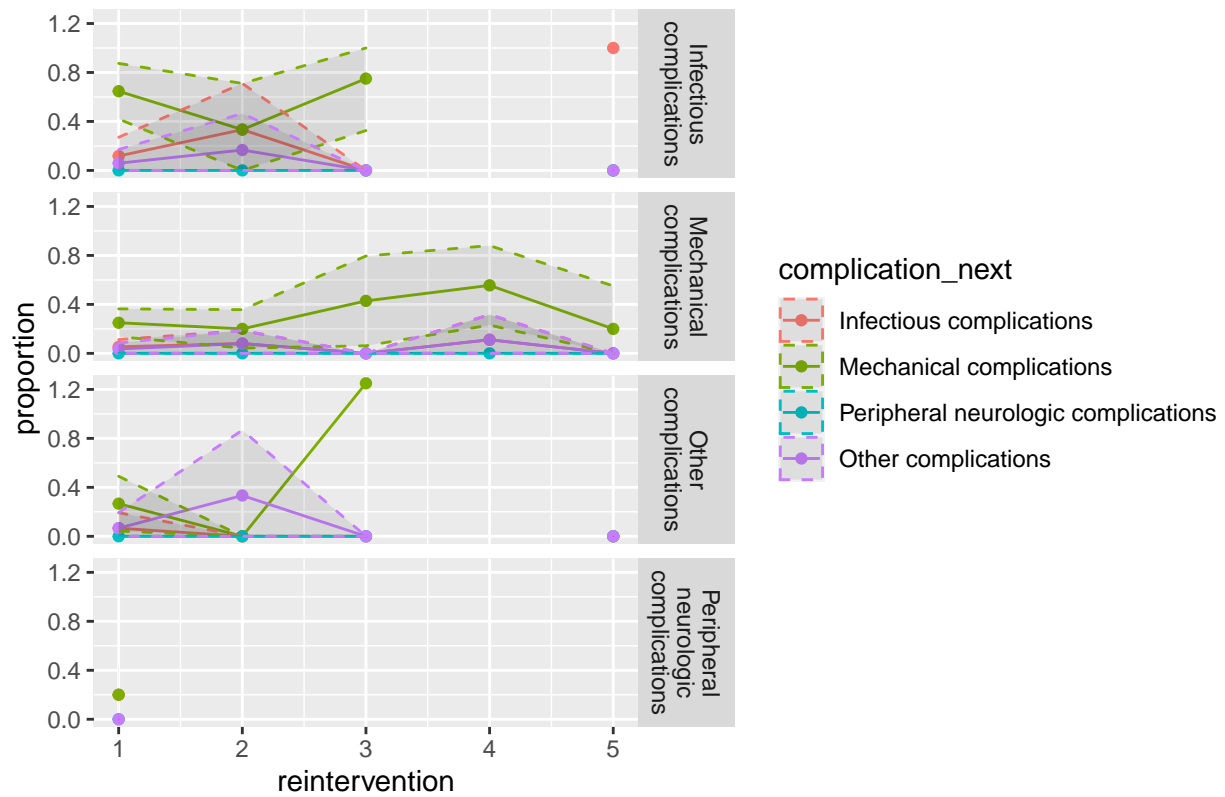
## Complication Category Overlap





```
## geom_path: Each group consists of only one observation. Do you need to adjust  
## the group aesthetic?
```

## Proportion of complications in next reintervention



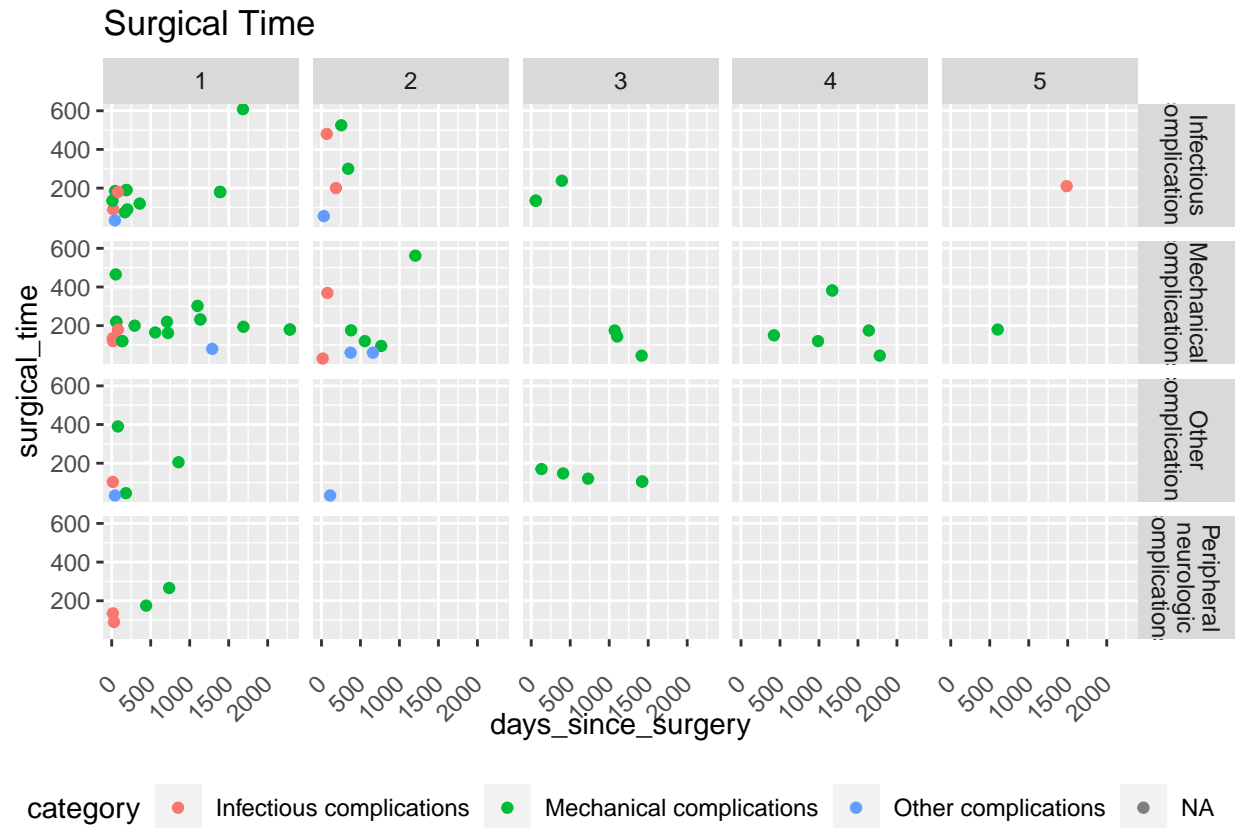
## Comparison with next reintervention

## Warning: Removed 18 rows containing missing values (geom\_point).

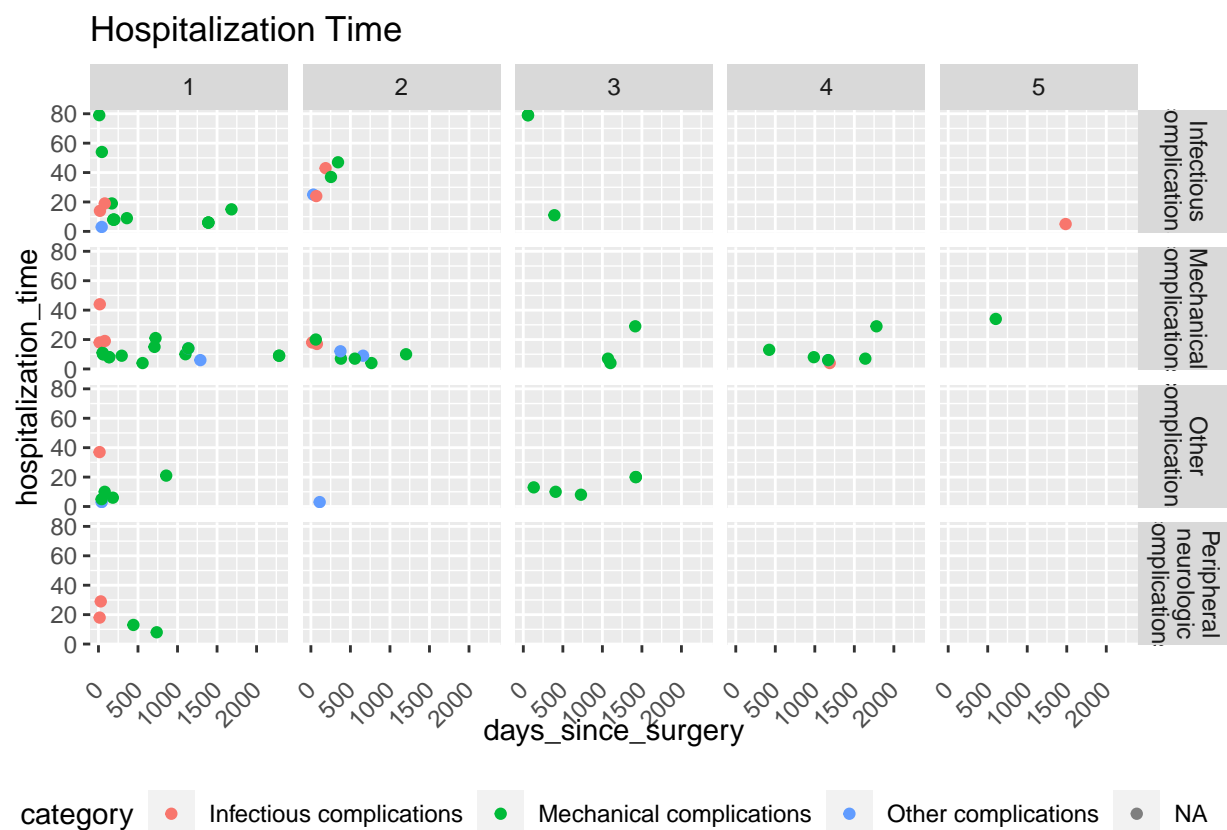


## Warning: Removed 10 rows containing missing values (geom\_point).





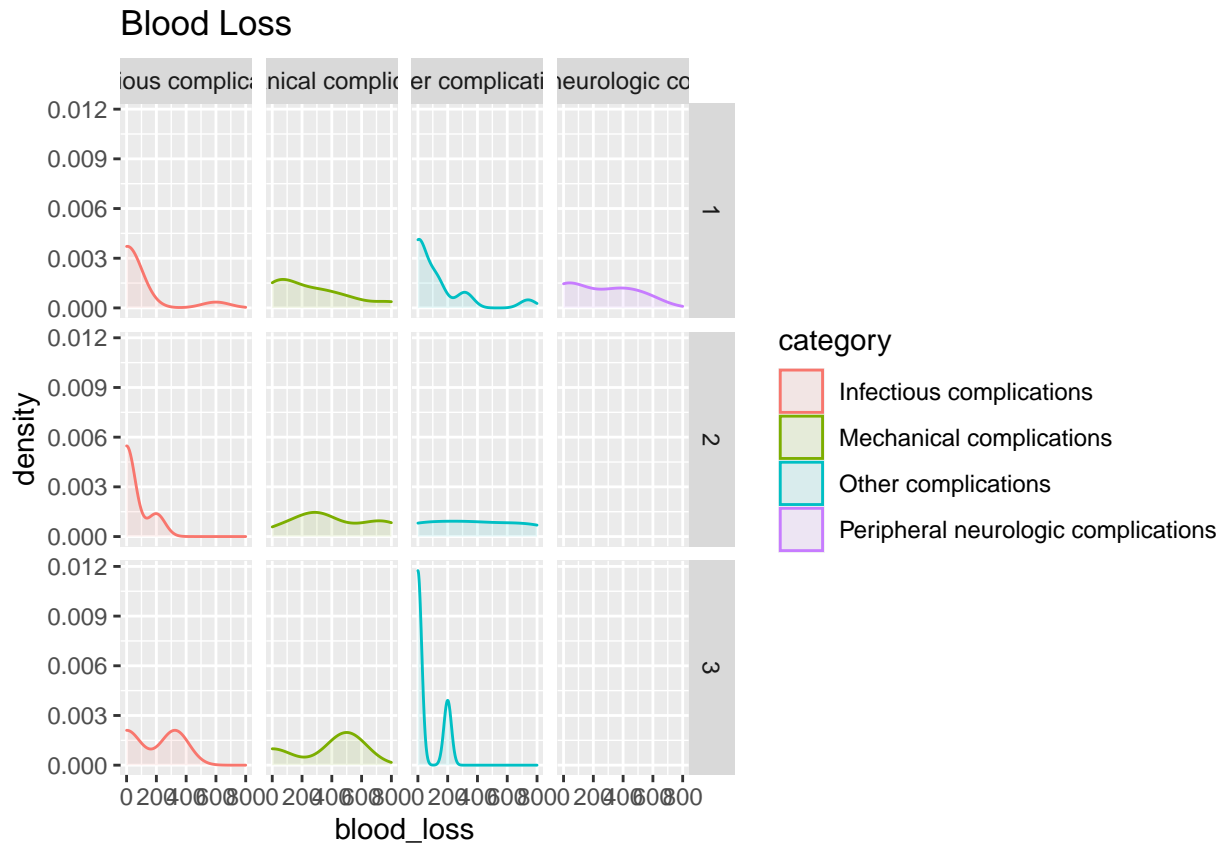
## Warning: Removed 8 rows containing missing values (geom\_point).

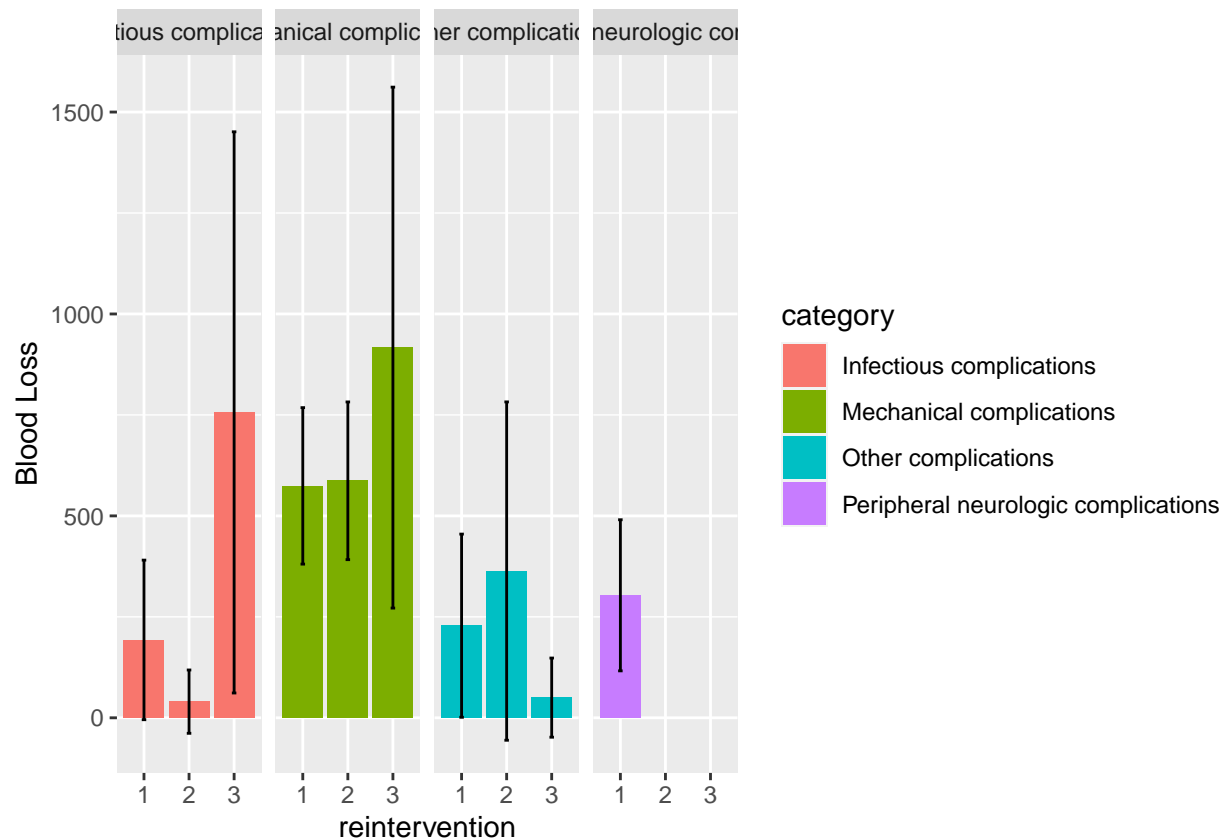


## By Complication type & Reintervention

	Estimate	Pr(> t )
(Intercept)	-75.0000	0.7954300
reintervention	212.5000	0.2012455
categoryMechanical complications	533.0488	0.1089358
categoryOther complications	383.6709	0.3377482
categoryPeripheral neurologic complications	165.8333	0.4852652
reintervention:categoryMechanical complications	-111.8961	0.5683540
reintervention:categoryOther complications	-276.0127	0.2395285

Warning: Removed 41 rows containing non-finite values (stat\_density).



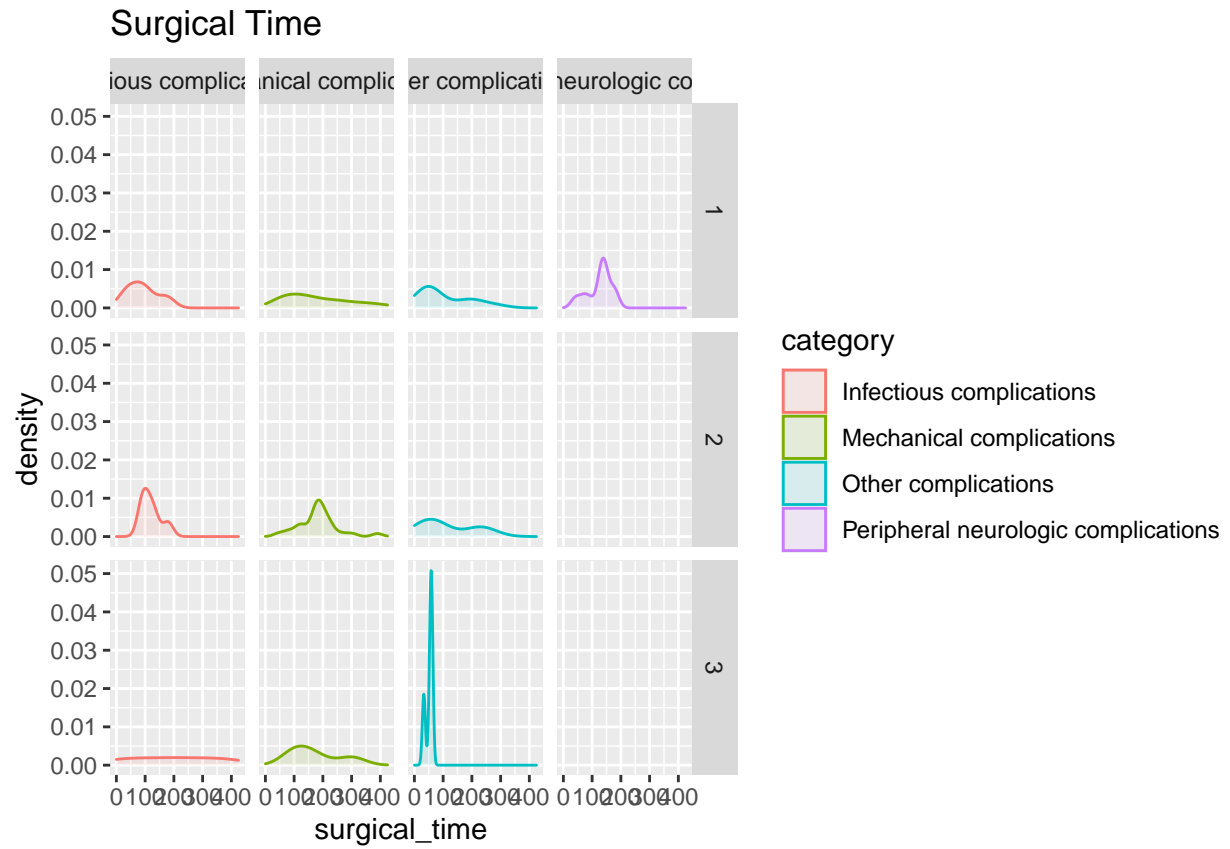


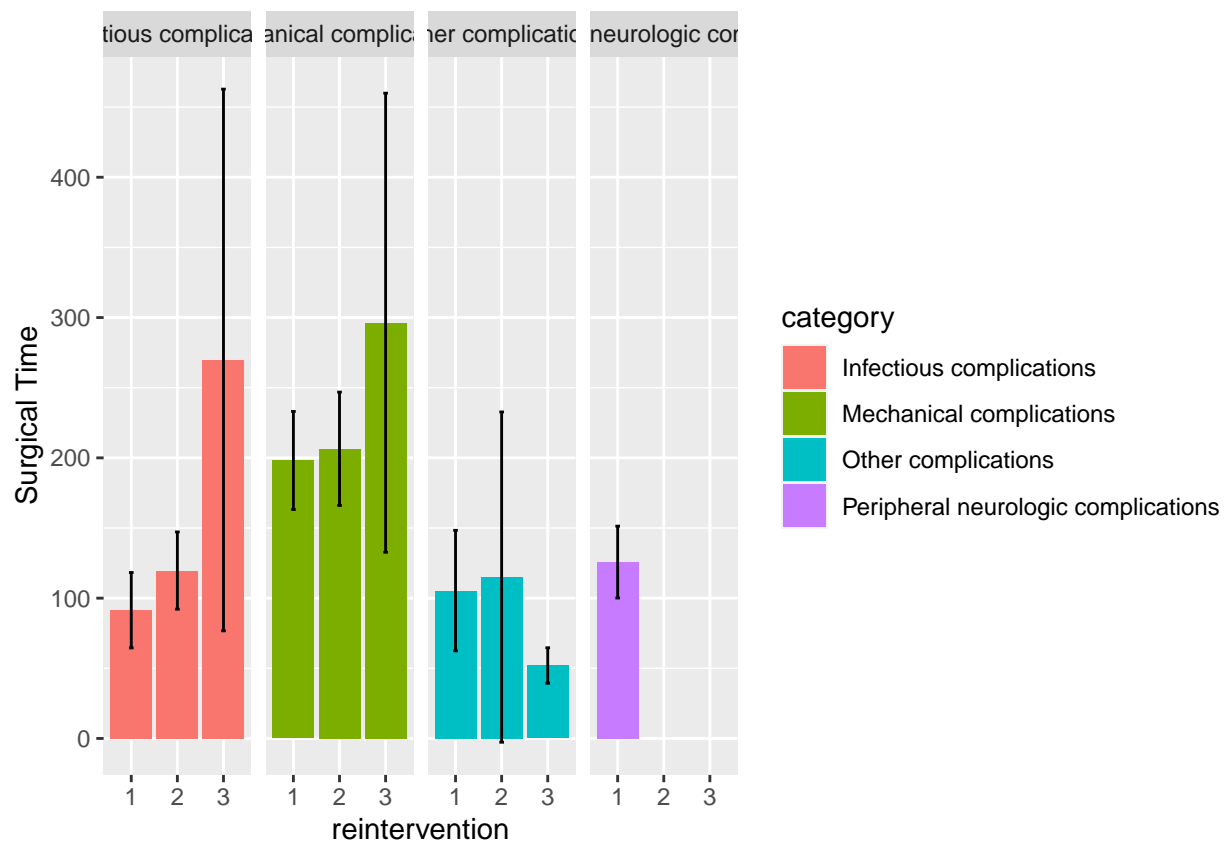
### Stats and p-vals Blood Loss

	complication	mean	sd	p_val_vs_others
1:	Mechanical complications	627.514	686.704	0.000
2:	Peripheral neurologic complications	303.333	330.601	0.064
3:	Other complications	272.083	489.338	0.023
4:	Infectious complications	271.875	456.434	0.017

	Estimate	Pr(> t )
(Intercept)	5.322034	0.92339544
reintervention	77.819209	0.01587802
categoryMechanical complications	159.064901	0.01302726
categoryOther complications	125.677966	0.10996813
categoryPeripheral neurologic complications	42.586030	0.36597157
reintervention:categoryMechanical complications	-48.175993	0.20241945
reintervention:categoryOther complications	-100.485876	0.02929267

Warning: Removed 15 rows containing non-finite values (stat\_density).



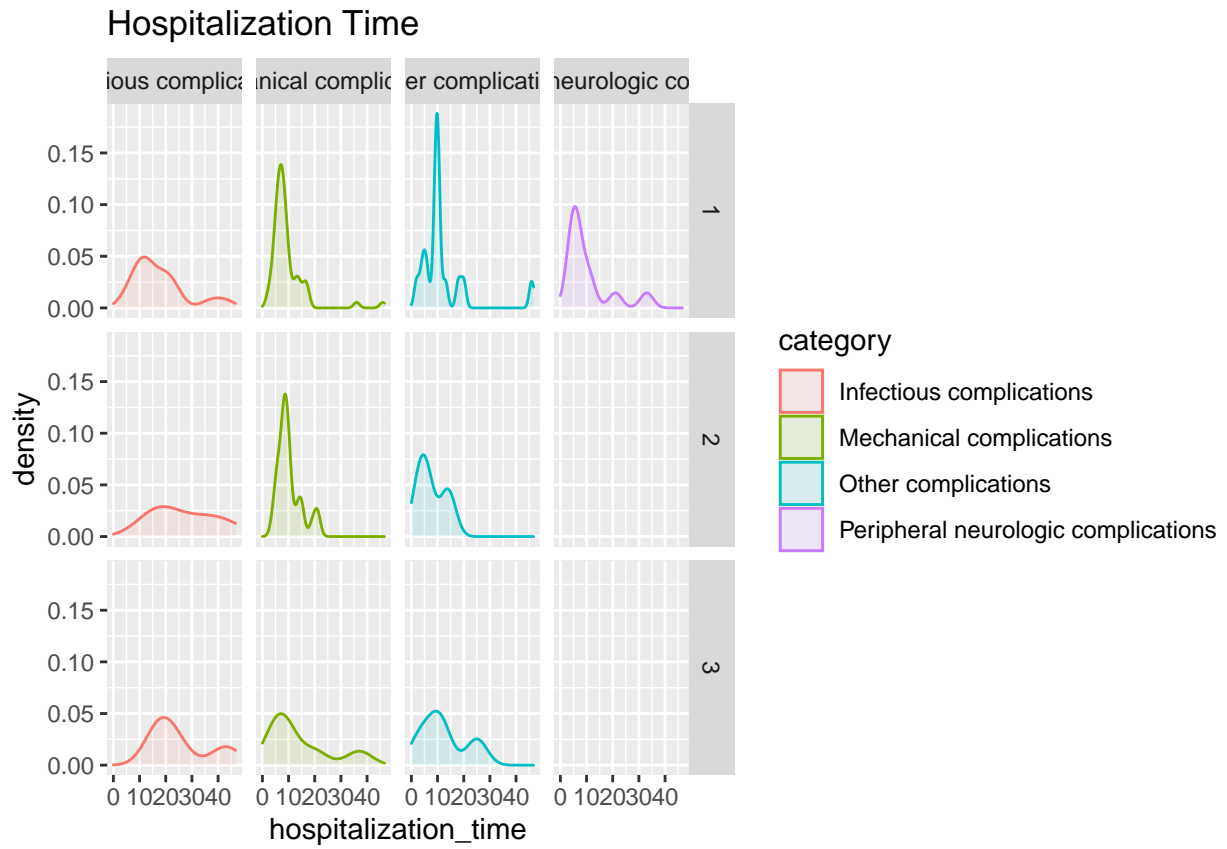


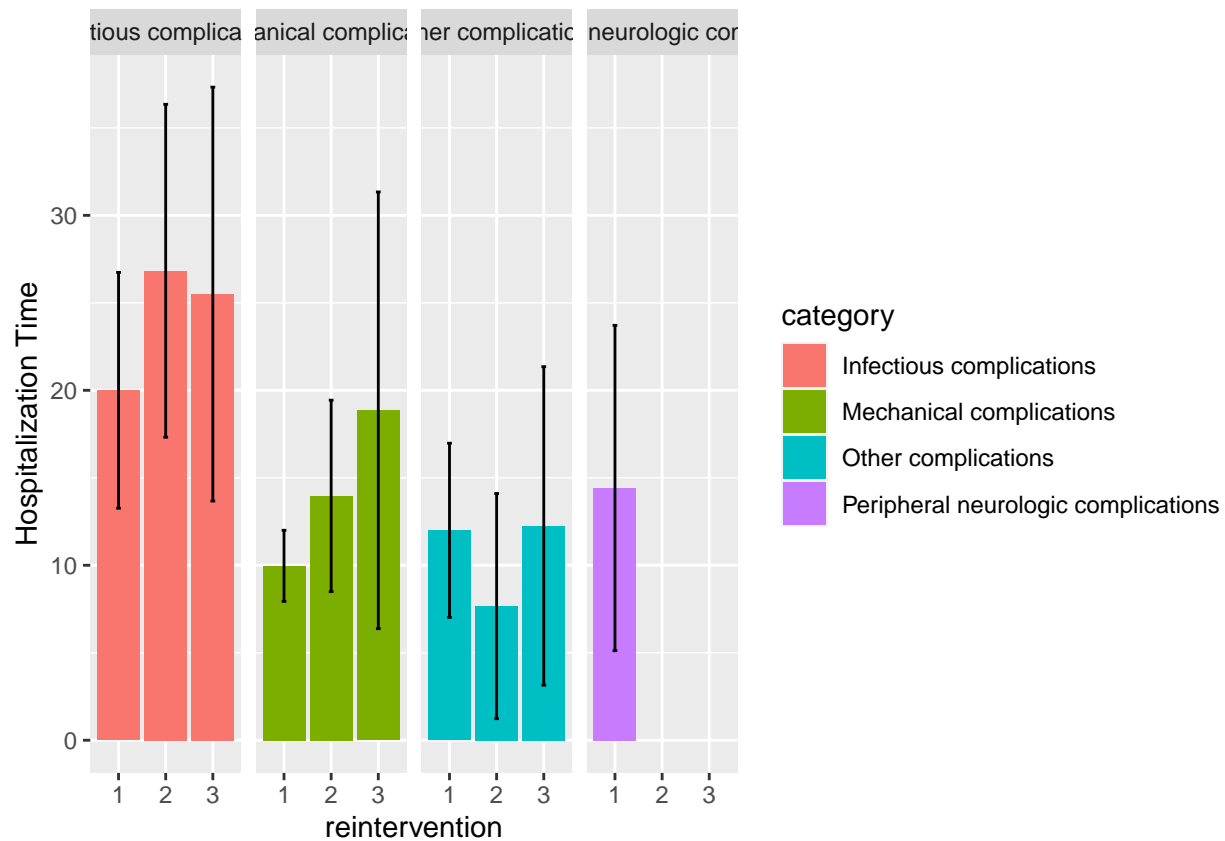
### Stats and p-val's Surgical Time

	complication	mean	sd	p_val_vs_others
1:	Mechanical complications	198.491	132.159	0.000
2:	Infectious complications	129.923	103.783	0.036
3:	Peripheral neurologic complications	125.727	43.313	0.006
4:	Other complications	109.391	97.867	0.003

	Estimate	Pr(> t )
(Intercept)	16.9422111	0.001486017
reintervention	3.5502513	0.254116706
categoryMechanical complications	-11.2688442	0.063200971
categoryOther complications	-4.8979073	0.514338605
categoryPeripheral neurologic complications	-6.0757956	0.172524113
reintervention:categoryMechanical complications	0.6984925	0.848105841
reintervention:categoryOther complications	-3.9331626	0.379805262

Warning: Removed 7 rows containing non-finite values (stat\_density).





#### Stats and p-val's Hospitalization Time

	complication	mean	sd	p_val_vs_others
1:	Infectious complications	21.103	13.636	0.006
2:	Peripheral neurologic complications	14.417	16.434	0.980
3:	Mechanical complications	13.244	14.211	0.159
4:	Other complications	11.250	9.209	0.119