

# Lifetable, KM, FH

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## Lifetable

male

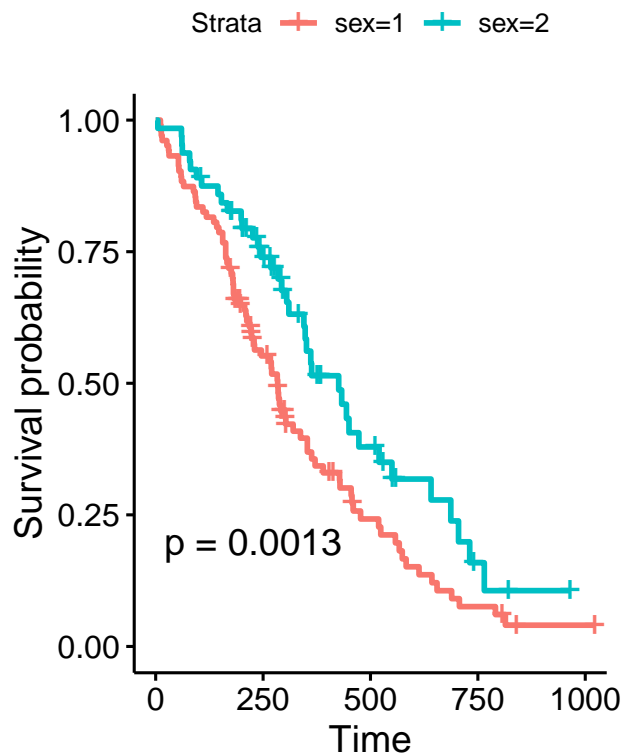
##	tstart	tstop	nsubs	nlost	nrisk	nevent	surv	pdf
## 0-100	0	100	103	0	103.0	17	1.00000000	0.0016504854
## 100-200	100	200	86	5	83.5	19	0.83495146	0.0018998895
## 200-300	200	300	62	7	58.5	18	0.64496250	0.0019845000
## 300-400	300	400	37	3	35.5	9	0.44651250	0.0011320035
## 400-500	400	500	25	3	23.5	6	0.33331215	0.0008510097
## 500-600	500	600	16	0	16.0	6	0.24821117	0.0009307919
## 600-700	600	700	10	0	10.0	4	0.15513198	0.0006205279
## 700-800	700	800	6	0	6.0	2	0.09307919	0.0003102640
## 800-900	800	900	4	2	3.0	1	0.06205279	0.0002068426
## 900-1000	900	1000	1	0	1.0	0	0.04136853	0.0000000000
## 1000-1100	1000	1100	1	1	0.5	0	0.04136853	0.0000000000
## 1100-1200	1100	1200	0	0	0.0	0	0.04136853	NaN
## 1200-Inf	1200	Inf	0	0	0.0	0	NaN	NA
##	hazard		se.surv		se.pdf		se.hazard	
## 0-100	0.001798942	0.00000000	0.0003657782	0.0004345389				
## 100-200	0.002567568	0.03657782	0.0003920163	0.0005841662				
## 200-300	0.003636364	0.04760067	0.0004158393	0.0008428131				
## 300-400	0.002903226	0.05099700	0.0003507137	0.0009574916				
## 400-500	0.002926829	0.05012019	0.0003259763	0.0011820092				
## 500-600	0.004615385	0.04787378	0.0003499672	0.0018333649				
## 600-700	0.005000000	0.04239983	0.0002941465	0.0024206146				
## 700-800	0.004000000	0.03499672	0.0002137673	0.0027712813				
## 800-900	0.004000000	0.02941465	0.0001952848	0.0039191836				
## 900-1000	0.000000000	0.02587989		NaN		NaN		
## 1000-1100	0.000000000	0.02587989		NaN		NaN		
## 1100-1200		NaN	0.02587989		NaN		NaN	
## 1200-Inf		NA	NaN		NA		NA	

female

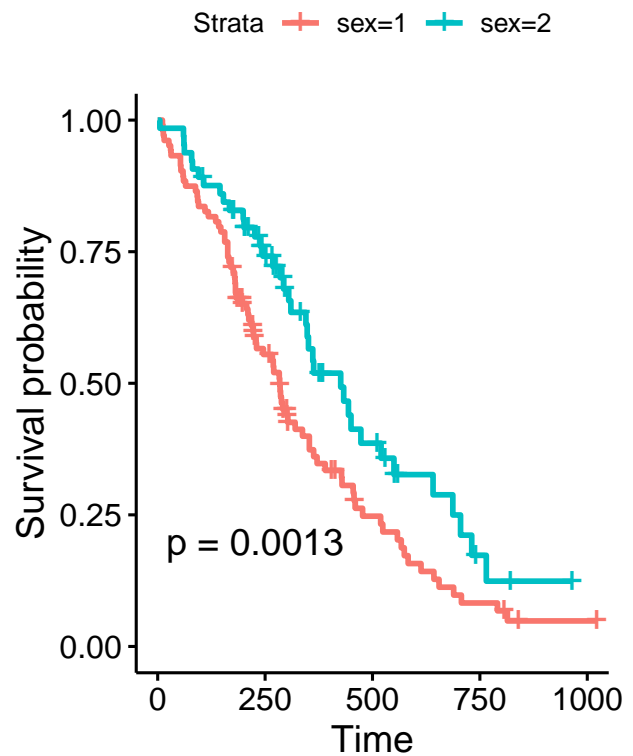
##	tstart	tstop	nsubs	nlost	nrisk	nevent	surv	pdf
## 0-100	0	100	64	0	64.0	7	1.0000000	0.0010937500
## 100-200	100	200	57	3	55.5	5	0.8906250	0.0008023649
## 200-300	200	300	49	12	43.0	7	0.8103885	0.0013192371
## 300-400	300	400	30	4	28.0	7	0.6784648	0.0016961620
## 400-500	400	500	19	0	19.0	5	0.5088486	0.0013390753
## 500-600	500	600	14	4	12.0	2	0.3749411	0.0006249018
## 600-700	600	700	8	0	8.0	2	0.3124509	0.0007811272
## 700-800	700	800	6	1	5.5	3	0.2343382	0.0012782082
## 800-900	800	900	2	1	1.5	0	0.1065174	0.0000000000
## 900-1000	900	1000	1	1	0.5	0	0.1065174	0.0000000000
## 1000-1100	1000	1100	0	0	0.0	0	0.1065174	NaN
## 1100-1200	1100	1200	0	0	0.0	0	NaN	NaN
## 1200-Inf	1200	Inf	0	0	0.0	0	NaN	NA
##	hazard		se.surv		se.pdf		se.hazard	
## 0-100	0.0011570248	0.00000000	0.0003901364	0.0004365819				
## 100-200	0.0009433962	0.03901364	0.0003440834	0.0004214300				
## 200-300	0.0017721519	0.04931280	0.0004632460	0.0006671758				
## 300-400	0.0028571429	0.06153038	0.0005761152	0.0010688223				
## 400-500	0.0030303030	0.07219475	0.0005480368	0.0013395469				
## 500-600	0.0018181818	0.07397516	0.0004217940	0.0012803251				
## 600-700	0.0028571429	0.07367033	0.0005125726	0.0019995835				
## 700-800	0.0075000000	0.07308191	0.0006375364	0.0040141352				
## 800-900	0.0000000000	0.05982461	NaN	NaN				
## 900-1000	0.0000000000	0.05982461	NaN	NaN				
## 1000-1100	NaN	0.05982461	NaN	NaN				
## 1100-1200	NaN	NaN	NaN	NaN				
## 1200-Inf	NA	NaN	NA	NA				

## KM and FH

### Kaplan–Meier



### Fleming–Harrington



```
plot(lung.fit, conf.int = FALSE, col = "blue",
     xlab = "Time (Days)", ylab = "Estimated Survival Probability",
     main = "Comparison of S(t) between K-M and F-H methods")
lines(lung.fit2, conf.int = FALSE, col = "red")
legend("topright", c("Kaplan-Meier", "Fleming-Harrington"),
     col = c("blue", "red"), lty = 1, bty = "n")
```

**Comparison of  $S(t)$  between K–M and F–H methods**

