P(A & B)= P(A) × P(B |A) A= T2 L(A), B= T> L(A) P(ALB)= P(B)= S(b(F)) There are no farling during (top-1), top) -50 P(A)= P(T> t(f+1)= S(t,1) Potting it all together S(t(A)) = S(t(A-1))P(T>t(A) / T> t(A) 1/17/2023 IV. The Log-Rank Test for Two Croups.

• Fralvate if two KM curves are statistically equivalents meaning no evidence to say they're different The logrank test is a large-rample Chi-square sert that uses a test statistic that provides an overall companion of the KM curves berry computed.

Observed us. experted cell courts over actions categories · Categories defined by each of the ordered failure times The data on the rest jung comes from the lukenia example used before. Gray I: Their ment. arosp 2: placeto. Experted cell counts: experted runber at time of miltiplied by the total number of pailures at that time for hoth groups. So for grap 1. elf = (nf + nf) x (mp + meg) Cit is the expected number of failures pot time f.

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	3	0	1	21	17		
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		and the second s				nder Ho, 50 p	