observing exposured outcome at the same time in O, the exposure star & outline starting immortal time bias Status une immortal time bias overlapping) prescription till lostrol 1 - "treatment "group Inon-melanoma 0 skin concer JCOHHOL group 40 60 80 100 Age Lyrs) example 2 example 1 Oselection bias in the skin cancer group. Lyto be selected as the "skin cancer" group. You need to be alive to be diagnosed as skin cancer patient. PESkin cancer alive) which introduces selection bias. b) for control group, no restriction by so not suprising to observe higher survival in skin career group @ don't condition on future evert/survival behalive the immortal * (1) tricks: when classifying ppl into treat/control groups do not use things that change over time (e.g. stein cancer diagnosis) rather, use variable that does not change over time to stratty ppl into treat/control group. wong fin example 2, of we see in the "treatment group. in O. pp) are analytis. not exposed, in @ time interval, poplare exposed so pplin the "treatment" group are not treat both treated & untreated Dby analysis wrrest 1 by design prescription fill analyis We voriable that doesn't change over time to stratify O immortal time treat and control being classified e.g. treet; skin cancer diagnosis before age 40. into the wontrol control: no skin cancer before age 40. group wing person-time tollow up pts from upe 40.

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	KM not appropriate when we're observing exposure and
	put con a cat when con a true of a construction of the charges over time
	outcome at the same time as exposure charges over time
9-21	50 cannot stratify ppl into treat (control int
	classity follow up time based on State 1 State is something that
	(hange over time)
	Gfollowyo time before skin cancen
	() tollow-up time after skin cancer.
	cannot classify ppl into specific story.
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	ndent "covariate it of visions oil to I prompt and by
	counting process: Vala Real 1988 (1987)
	produce of covariate waste when an ignore year man and we
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Ambacana d	$Z_{c}(t) = \{Z_{c}(u) : 0 \le u \le t\}$
1 101 1 2 3 1 1 - 10	whole history before time to aptital 2.
	by covariate history of i trul time to
	Arity = PI t = Ti < t+ d+ Zrity, Trizt)
	simplified version: if we assume that the hazard function
marked <	depends only on the current value of the covariate nather
type	than the annulative history;
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