## PAPERS/THEORY SUMMARY

General idea:

-we have a startunct excetuous 24,..., 2m where 2i=(lots), lonei), ie the stations

- there we record hilt) and suilt, the PM to and comentes

- ne nort to cluster team, us ne deline

Citt) = h of unit is in one one to cluster in or one to cluster in Pt = { St(t), ..., Sht(t) } (=) en medit

The refere / deal motal ters time dependence me con do borically in the maps:

(4) we models which uncorporate time

(2) run a yether model for each of the time instants

From (2) reens ess): the spam sunte rochoce does tens with olses wrine conordistes, us my eventure (2), should be east, like loop over time t=45T and ewed a model at each motout. Elen ma) le m the loon ne reveld une robro toch-ece to oromote the fast clusters. But we will see letter when we study the jochsies.

course - ppmx } => marke we con yest there ... models bee on juste

For (4) at most lee main Ercus of your 4 ( Rose out auntous), we also see we revoled be the or there us their pochoes drym. But that us not a published rechoos, us there we me real/ clear blo curentation (it's just the code un'the Colder popus/mylavertier)-moterial). But we reen a small package ( leste 4 Euctrous) 2 moder) ou should still be east. models from: drom- lit ?... and this dropm pochose: maybe none ? those but evistes me need onesten the pinel descret took - 9(3+4) Enctuars es the moves (divided e) weeks ( with no MAS ecc, standardite consistes) - doto finder-stron maple me con duride the enchant/models to study, test, out start to expensent in R. Olis, or the ppm swite there are some yopers enounted to tear enchious, us we should stud) also tem. well, who we enjured to that Emotiven genero is otherway studies st. In core of theory doubts out genero

For the models outron the vides of the took us to understand - which kind of wingert too want - which kind of output too moduce For the data conscination took we just need to - Pill the NA cors (ore mot?) - cotten verioles (puro and conorates) b) week, os our time intervol requests models enous yopm fuite: gaussian\_ppmx//co Function that fits Gaussian PPMx model moste our date one could encount to our tens Description gaussian pour is the main function used to fit Gaussian PPMx model curve\_ppmx 7 7ES Gaussian PPMx Model for Functional Realizations Usage Description gaussian\_ppmx(v, X=NULL, Xpred=NULL, meanModel=1. curve\_ppmx is the main function used to fit Functional Gaussian PPMx model. cohesion=1, M=1. ree the enough in the next per Usage PPM = FALSE. command , to understand similarity\_function=1. curve\_ppmx(y, z, subject, low s. E, acc samed le consim=1. Xcon=NULL, Xcat=NULL, in our data care calibrate=0, Xconp=NULL.Xcatp=NULL. simParms=c(0.0, 1.0, 0.1, 1.0, 2.0, 0.1, 1). PPM. M. modelPriors=c(0, 100^2, 1, 1), q=3, rw\_order=1, balanced=1, sppn /YES Function that fits spatial product partition model with Gaussian lik mh=c(0.5, 0.5), nknots, npredobs, MODELZ draws=1100.burn=100.thin=1. Aparm, modelPriors, verbose=FALSE) similarity function=1. consim, calibrate, simParms Description the olu eure mh=c(1,1). willow structure sppm is the main function used to fit model with Guassian likelihood and spatial PPM as prior on draws=1100.burn=100.thin=1) partitions. no remarked se east study tem once me Usage understand one of spom(v.s. s.pred=NULL. mean cohesion,

> modelPriors=c(0, 100^2, 10, 10), cParms=c(1, 1.5, 0, 1, 2, 2), mh=c(0.5, 0.5), draws=1100.burn=100.thin=1)