Assignmente Projecto Lexiam Help Finite Mixture Models

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Introduction

This class will review: SS18 nime and Init of the Country of the Estimating latent class probabilities Help

Fitting densities using finite mixture models

Adding covariates

Thing of the number of latent classes

We begin with a demonstration using medical expenditure data from Vietnam

► We move on to a practical in white we model latent classes in the log number of doctor visits.

Practical (1)

Assi We have data ort the Dumber of Cocto Eisits am Help Across section from the U.S. Medical Expenditure Panel

- A cross section from the U.S. Medical Expenditure Panel Survey for 2003, for those on Medicare and aged at least 65.
- ► https://piply/coderisic(lom)
- The covariates are age (age), age squared (age2), years of education (educyr), activity limitation indicator (actlim), number of chronic and indicator (private), and Medicaid indicator (medicaid)

Practical (2)

1. Load, describe and summarise the data.

As significant the densit of log doctor visits and Help number of classes

- 4. Use the fitted model to interpret your latent classes
- 5. Pathan Re laten as who could be COM
- 6. Use your FMM to fit and plot the density of log doctor visits
- 7. Now repeat your analysis using the covariates on the previous lide, and completely percentage of the visits with respect to number of chronic conditions
- 8. Use FMM to compute fitted values for log doctor visits, and plot a histogram of the fitted values for each class.