Assignmente Projecto Lexiam Help Finite Mixture Models

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WeChat: estutores
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Introduction

Assignification Project Learn Help Estimating latent class probabilities

Fitting densities using finite mixture models

Adding covariates

Manifal offetutores.com Choosing the number of latent classes

- We begin with a demonstration using medical expenditure we move on to a practical in which we model latent
- classes in the log number of doctor visits.

Practical (1)

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Across section from the U.S. Medical Expenditure Panel Survey for 2003, for those on Medicare and aged at least

- ► Het dependent valiable Sig Social Political (Idocvis)
- The covariates are age (age), age squared (age2), years of education (educyr), activity limitation indicator (actlim), notion of confine to the first of the confine to the confine to the confine to the covariates are age (age), age squared (age2), years of education (educyr), activity limitation indicator (actlim), notice to the covariates are age (age), age squared (age2), years of education (educyr), activity limitation indicator (actlim), notice to the covariates are age (age), age squared (age2), years of education (educyr), activity limitation indicator (actlim), notice of educyr), activity limitation indicator (actlim), notice of educyr), activity limitation indicator (actlim), activity limitation indicator (actlim), notice of educyr), and Medicaid indicator (medicaid)

Practical (2)

1. Load, describe and summarise the data.

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

- 4. Use the fitted model to interpret your latent classes
- 5. Patria to a colliso fresilicom
- 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 slide and correct the east city of log doctor 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.