

Random Variables

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graph LR; RV[Random Variables] --- GP[Generative Process]; RV --- DGM[Directed Graphical Models]; GP --- FJP[Factorizing Joint Probabilities]; GP --- LOV[Latent and Observed Variables]; DGM --- CI[Conditional Independencies]; CI --- ImapPmap[I maps and P maps]; CI --- 3types[3 types of sub-structures]; CI --- BB[Bayes Ball];
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The diagram is a mind map with 'Random Variables' at the root. It branches into 'Generative Process' and 'Directed Graphical Models'. 'Generative Process' further branches into 'Factorizing Joint Probabilities' and 'Latent and Observed Variables'. 'Factorizing Joint Probabilities' branches into 'Prior Distribution' and 'Conditional probabilities'. 'Directed Graphical Models' branches into 'Conditional Independencies', which then branches into 'I maps and P maps', '3 types of sub-structures', and 'Bayes Ball'.

Generative Process

Factorizing Joint Probabilities

Prior Distribution

Conditional probabilities

Latent and Observed Variables

Directed Graphical Models

Conditional Independencies

I maps and P maps

3 types of sub-structures

Bayes Ball