Pattern Analysis Joint Meeting
Christian Riess

Worksheet 8: Tuesday June 15 / Friday June 18 2021

Please watch the video prior to the lecture, and think about the questions below. **This time, let us limit the internal discussion to 10 minutes**, since we have relatively few technical content.

You can print this sheet and use the space below for your notes.

Task 1: Drawing Graphical Models

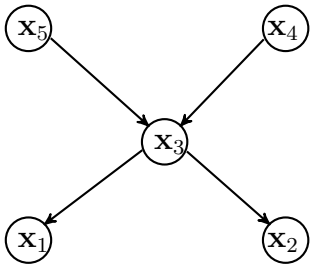
Translate these products of probabilities into graphical models:

(a) $p(\mathbf{a}|\mathbf{b})p(\mathbf{c}|\mathbf{b})p(\mathbf{b}|\mathbf{d})$ p(d)

(b) $p(\mathbf{a},\mathbf{b})p(\mathbf{b},\mathbf{c})p(\mathbf{c},\mathbf{d})p(\mathbf{d},\mathbf{a})$

Task 2: Reading Graphical Models

Write down the factorized density for this graphical model:



p(x4)·p(x5)·p(x3|x4,x5)·p(x1|x3)·p(x2|x3)
或者其他写法？？？？

Task 3: Clarifications on the Exam

I hope that the video on exam preparation is helpful. Are there further questions?