

Lecture10b: Pictorial Structures for Object Recognition

CS540 4/03/18

Announcements

- An extra week for Project #2
- Having to make a teaming change
 - Code freeze is now April 17
 - Papers due April 24

Project #1 Grading

6 Questions (1-5 on each)

1. Is the hypothesis clear?
2. Is the conclusion clear?
3. Does the data support the conclusion?
4. Is the paper well structured?
5. Is the quality of the writing good?
6. (subjective) Is it interesting?

Individual grades +/- one step based on individual contributions

Felzenszwalb & Huttenlocher

What was interesting about this paper?

What did you not like in this paper?

What was confusing?

F&H (cont.)

How does this paper relate to Bayesian Networks?

- What do the Bayesian Nets in this paper look like?
- What are the random variables?
- What are the conditional probability (functions)?

F&H (III)

Describe the energy minimization function

- Does this produce probabilities?
- Why is it $O(nh^2)$?
- How does it relate to variable elimination?
 - ... and why isn't variable elimination $O(nh^2)$?
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