CS492: Probabilistic Programming Implementing Inference Algorithms for Probabilistic Programs

Hongseok Yang KAIST

Two approaches

- Translation to a known probabilistic model.
- Inference by evaluation.

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Plan

- Blackboard lecture.
- Look at the lecture note, "Note6.pdf".

```
((fn [x1]
(if (> x1 0) (+ x1 2) (- x1 2)))
(sample (normal 0 1)))
```

```
Syntactic (let [] e)

= e
(let [xl el x2 e2 ... xn en] e)
= ((fn [xl] (let [x2 e2 ... xn en] e)) el)
```