

# Outline

# Information Pursuit

A Bayesian Framework for Sequential Scene Parsing  
by Jahngiri et al.

## Overall Goal

Develop a goal for scene parsing that incorporates expected contextual information during object classification

# The Problem

There is a lot of discarded information that is naturally modelled by a Bayesian framework with prior information.

## Dining Tables

For instance, consider a dining table. There are several collections of objects that occur together and have regular patterns to their relationship:

- ▶ Place settings often include a plate, fork, knife, spoon, and glass
- ▶ The utensils are more often locally parallel to one another than in some random configuration

# Intuitive Approach

# Terminology

# Information Pursuit