Lecture 2

* Structured label
  + {1,2,…,K}^N
* Multiclass
  + {1, 2, 3, …, K}
  + Only 1 class per instance
* Multilabel
  + Multiple labels per instance
* Questions
  + How to define space
  + Pick the right model
* Hypothesis space
  + Function space (input -> output)
* For n binary input function, there are 2^n^n possible functions to define (count all possible output configurations)