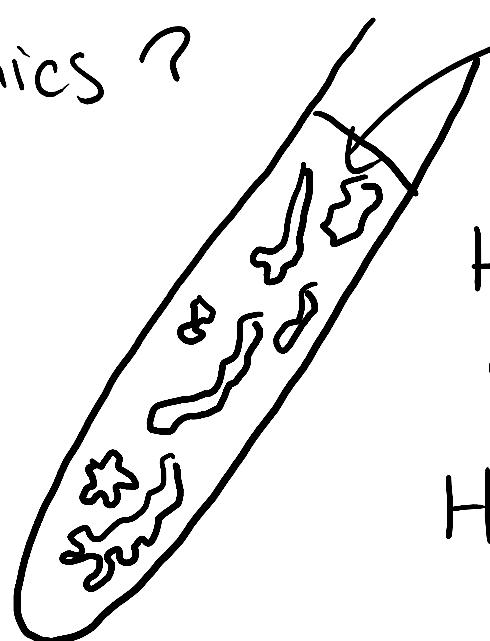


CS229 Presentation:

1. look into ccle forum for questions which can be applied in the presentation.
 2. pay attention to professor's question !
 3. Font should be clear enough.
 4. Oral Preparation
 5. Graphic Presentation
 6. Real data analysis
-

What is metagenomics ?



Thousands of bacteria .

How can we analyze individual genomes .

How to classify them ?

How this help us in life : → Analyzing bacteria within human intestine 

Program	Pros	Cons
MEGAN	<ul style="list-style-type: none"> (1) assign reads to lowest taxonomic level (2) powerful visualization toolkit 	<ul style="list-style-type: none"> (1) ambiguous mapping reads (2) ignores individual strains.

Kraken	<ul style="list-style-type: none"> (1) instead of read alignment, speed at a cost K-mer hashing (2) memory saving
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Kallisto

eXpress

eg. CLARK, GASiC