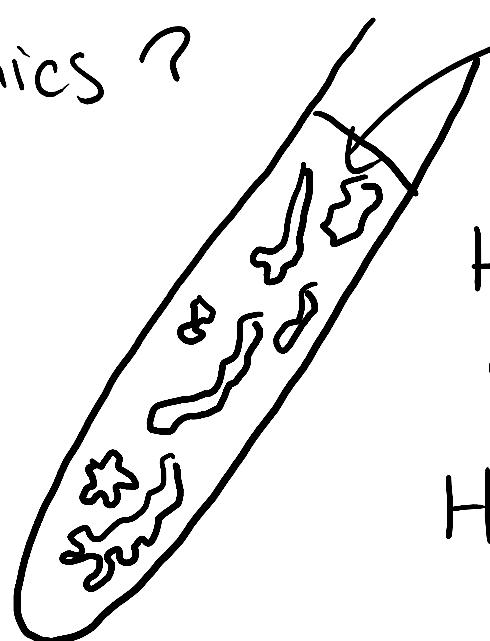


# CS229 Presentation:

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"> <li>(1) assign reads to lowest taxonomic level</li> <li>(2) powerful visualization toolkit</li> </ul>	<ul style="list-style-type: none"> <li>(1) ambiguous mapping reads ignores individual strains.</li> <li>(2) computation problem.</li> </ul>

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