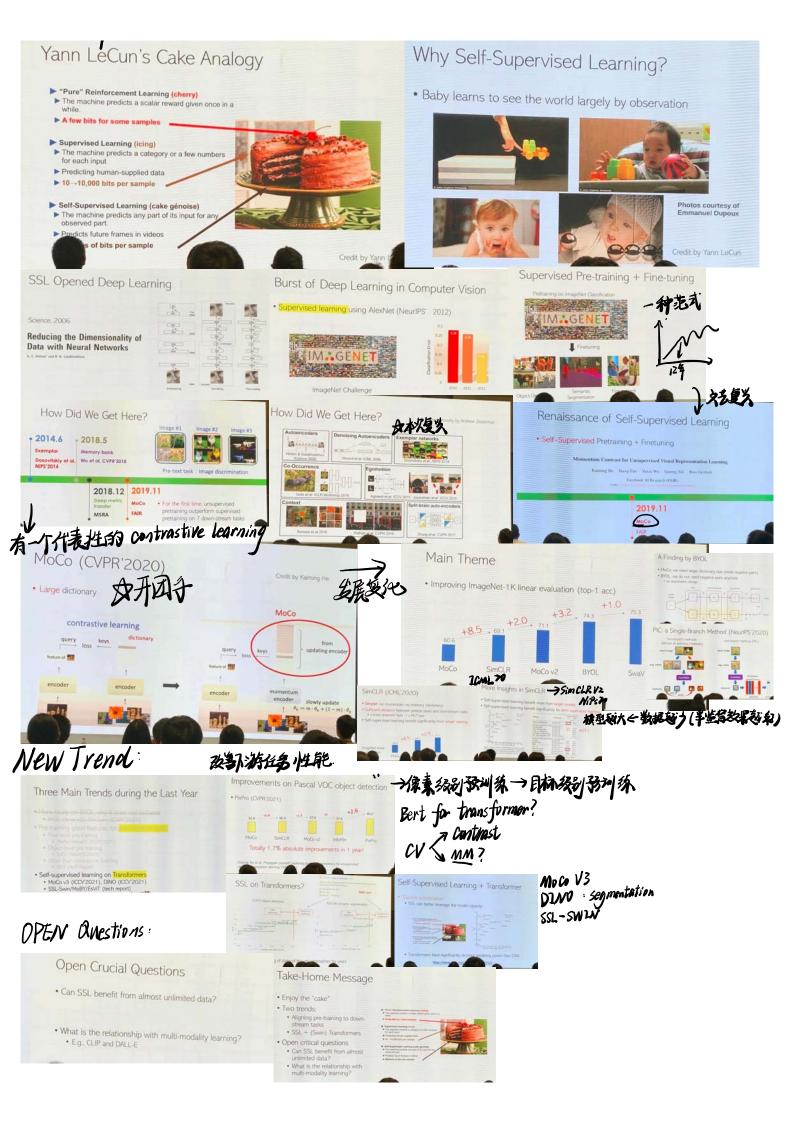




Workshop 4 胡瀚 视光自整督



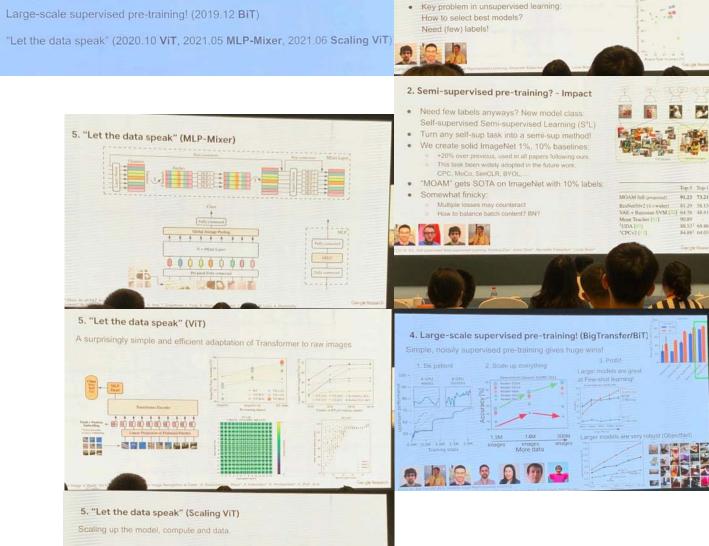
Workshops large scale ~ 通过预训练来提介料本有效性?

Overview

- Self-supervised pre-training? (2019.01 "Revisiting SSL")
- Semi-supervised pre-training? (2019.05 S4L)
- How to measure? (2019.10 VTAB)
- Large-scale supervised pre-training! (2019.12 BiT)

5. "Let the data speak" (Scaling VIT) Scaling up the model: What shape can we fit?

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1. Self-supervised pre-training? - What's next

We suggest looking at architecture instead of task, leading to new SOTA across all self-sup tasks we tried.

Uncover key principles for self-sup architectures:

Widen the model and add skip connections. These help much more than in supervised!
Used in all works since ours (CPC, MoCo, SimCLR, BYOL, ...)