

# Supervised Learning for Image Classification

John Doe, Jane Doe

International Conference on Machine Learning, 2023

ALIREZA HEIDARI

December 2024



# This is the first slide

---

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Here is:

1. Some text;
2. Inline maths:  $\mathcal{R}_C(D) = \bigoplus_{n \geq 0} \mathcal{L}(nD)$ ;
3. Display maths:

$$\mathrm{Tor}_i(\mathrm{colim}_{\alpha} M_{\alpha}, N) = \mathrm{colim}_{\alpha} \mathrm{Tor}_i(M_{\alpha}, N)$$

# Make Titles Informative

---

- ▶ Use `itemize` a lot.
- ▶ Use very short sentences or short phrases.

You can create overlays:

- ▶ Using the `pause` command:
  - ▶ First item.

# Make Titles Informative

---

- ▶ Use `itemize` a lot.
- ▶ Use very short sentences or short phrases.

You can create overlays:

- ▶ Using the `pause` command:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using overlay specifications:
- ▶ Using the general `uncover` command:

# Make Titles Informative

---

- ▶ Use `itemize` a lot.
- ▶ Use very short sentences or short phrases.

You can create overlays:

- ▶ Using the `pause` command:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using overlay specifications:
  - ▶ First item.
- ▶ Using the general `uncover` command:

# Make Titles Informative

---

- ▶ Use `itemize` a lot.
- ▶ Use very short sentences or short phrases.

You can create overlays:

- ▶ Using the `pause` command:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using overlay specifications:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using the general `uncover` command:

# Make Titles Informative

---

- ▶ Use `itemize` a lot.
- ▶ Use very short sentences or short phrases.

You can create overlays:

- ▶ Using the `pause` command:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using overlay specifications:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using the general `uncover` command:
  - ▶ First item.

# Make Titles Informative

---

- ▶ Use `itemize` a lot.
- ▶ Use very short sentences or short phrases.

You can create overlays:

- ▶ Using the `pause` command:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using overlay specifications:
  - ▶ First item.
  - ▶ Second item.
- ▶ Using the general `uncover` command:
  - ▶ First item.
  - ▶ Second item.



# References

---

- [1] Y. Zheng, Z. Jin, M. Li, *et al.*, “Hairstep: Transfer synthetic to real using strand and depth maps for single-view 3d hair modeling”, in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*, 2023, pp. 12 726–12 735.
- [2] K. He, X. Zhang, S. Ren, and J. Sun, *Deep residual learning for image recognition*, 2015. arXiv: 1512.03385 [cs.CV]. [Online]. Available: <https://arxiv.org/abs/1512.03385>.
- [3] A. Dosovitskiy, L. Beyer, A. Kolesnikov, *et al.*, *An image is worth 16x16 words: Transformers for image recognition at scale*, 2021. arXiv: 2010.11929 [cs.CV]. [Online]. Available: <https://arxiv.org/abs/2010.11929>.