

Machine Learning tanpa koding dengan ORANGE

Cahyo Darujati

PT. Radnet Digital Indonesia
<https://www.radnet-digital.id/>



orange

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About Me



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Cybersecurity.or.id



Foundation sponsor:



Open Infrastructure
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Agenda

- Introduction
- Let's Do
- Conclusion
- Q&A

Introduction #1

ORANGE Data Mining for Machine Learning

ORANGE



[Screenshots](#) [Workflows](#) [Download](#) [Blog](#) [Docs](#) [Workshops](#)

Data Mining Fruitful and Fun

Open source machine learning and data visualization.

Build data analysis workflows visually, with a large, diverse toolbox.

[Download Orange](#)



Website Orange Data Mining
<https://orangedatamining.com/>



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Windows



macOS



Linux / Source

Download the latest version for Windows

[Download Orange 3.29.3](#)

Standalone installer (default)

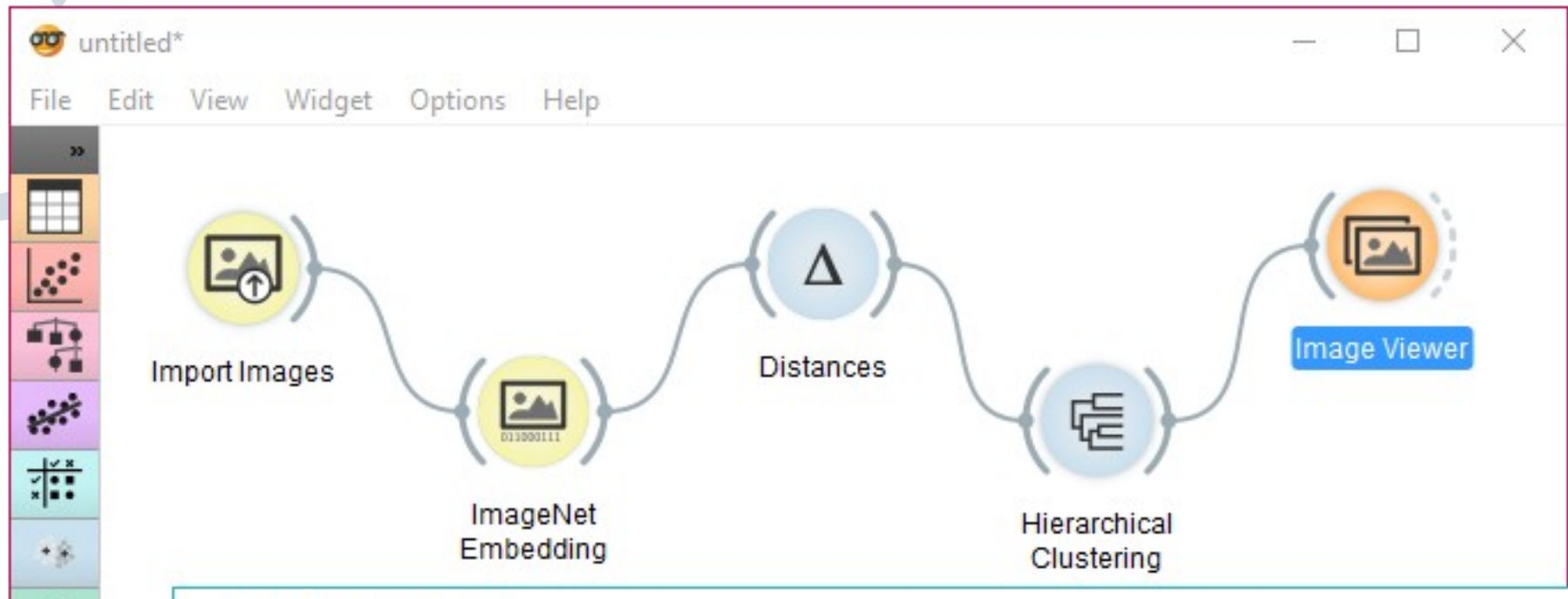
[Orange3-3.29.3-Miniconda-x86_64.exe \(64 bit\)](#)

Can be used without administrative privileges.

Portable Orange

[Orange3-3.29.3.zip](#)

WorkFlow Example



Workflow Example
<https://orangedatamining.com/workflows/>



Docs orange

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Visual Programming

[Getting started](#)
[YouTube tutorials](#)
[Loading your data](#)
[Widget catalog](#)



Development

[Widget development](#)
[Example addon](#)



Python Library

[Tutorial](#)
[Reference](#)
[Orange 2.7 documentation](#)

Support

For a list of frequently asked questions, see [FAQ](#). Also, feel free to reach out to us in our [Discord chatroom](#).

Documentations
<https://orangedatamining.com/docs/>

Let's Do

Amati, Tiru & Modifikasi.

Amati #1 Image Analytics: Clustering



calf



cat



chick



cow



dog



duck



duckling



foal



goat



goose



hen



horse



kid



lamb



ox



rabbit



rooster



sheep



turkey

Test Image:

<https://github.com/ajdapretnar/datasets/blob/master/images/domestic-animals.zip>

Tutorial:

<https://orangedatamining.com/blog/2017/04/03/image-analytics-clustering/>

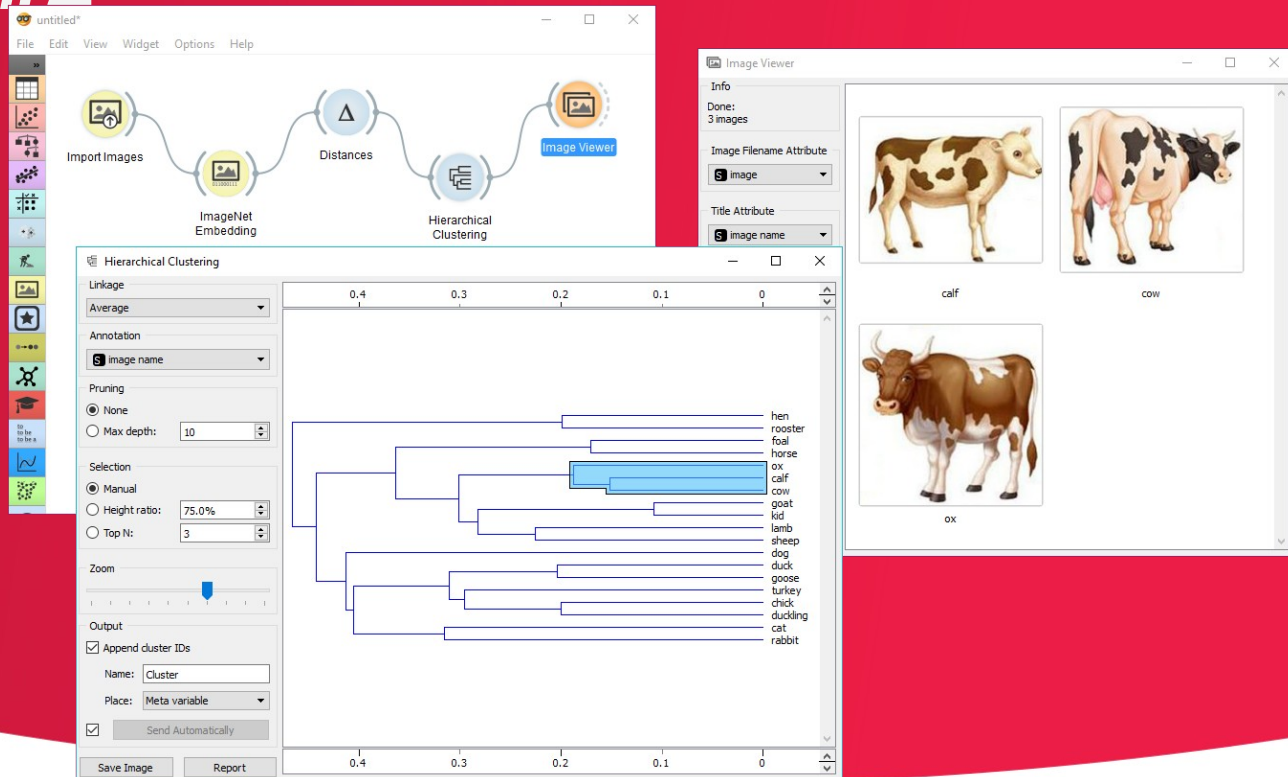
Video:

<https://www.youtube.com/watch?v=lu8g2Twjn9U>



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Tiru #2





Modifikasi #3



Benedict
Cumberbatch



Bradley Cooper



Brie Larson



Chadwick
Boseman



Chris Evans



Chris Hemsworth



Chris Pratt



Elizabeth Olsen



Josh Brolin



Karen Gillan 2



Karen Gillan



Mark Ruffalo



Paul Rudd 2



Paul Rudd



Robert Downey



Scarlett
Johansson



Sebastian Stan



Tom Hiddleston



Zoe Saldana

**Material available
at: s.id/jagoml**

Conclusion



Selamat telah mencapai sejauh ini! Mari kita rekap apa yang telah kita pelajari hari ini.

1. Memulai dengan memasang add-on analitik gambar yang memberi beberapa widget baru.
2. Memuat gambar melalui widget Impor Gambar. dengan mengarahkannya ke direktori pilihan.
3. Memeriksa gambar melalui widget Penampil Gambar.
4. Menggunakan widget Image Embedding untuk mengonversi gambar menjadi vektor angka. Ada berbagai jenis Embedder yang dapat digunakan.
5. Menggunakan widget Distances dan widget Hierarchical Clustering untuk menampilkan dendogram cluster.
6. Mengujinya dengan gambar sampel.



Q&A

Discussion.



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Terima Kasih

Do you have any questions?

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