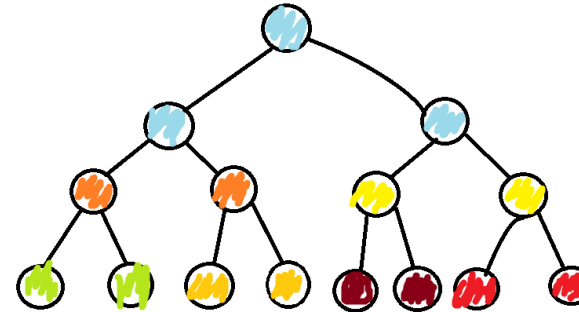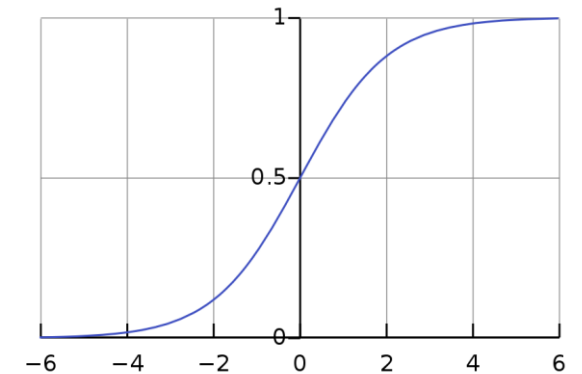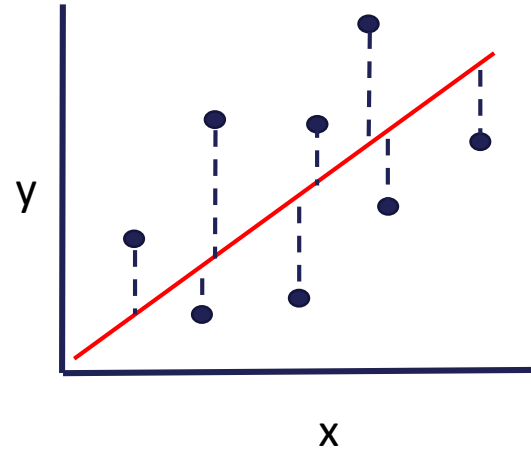# Ensemble models
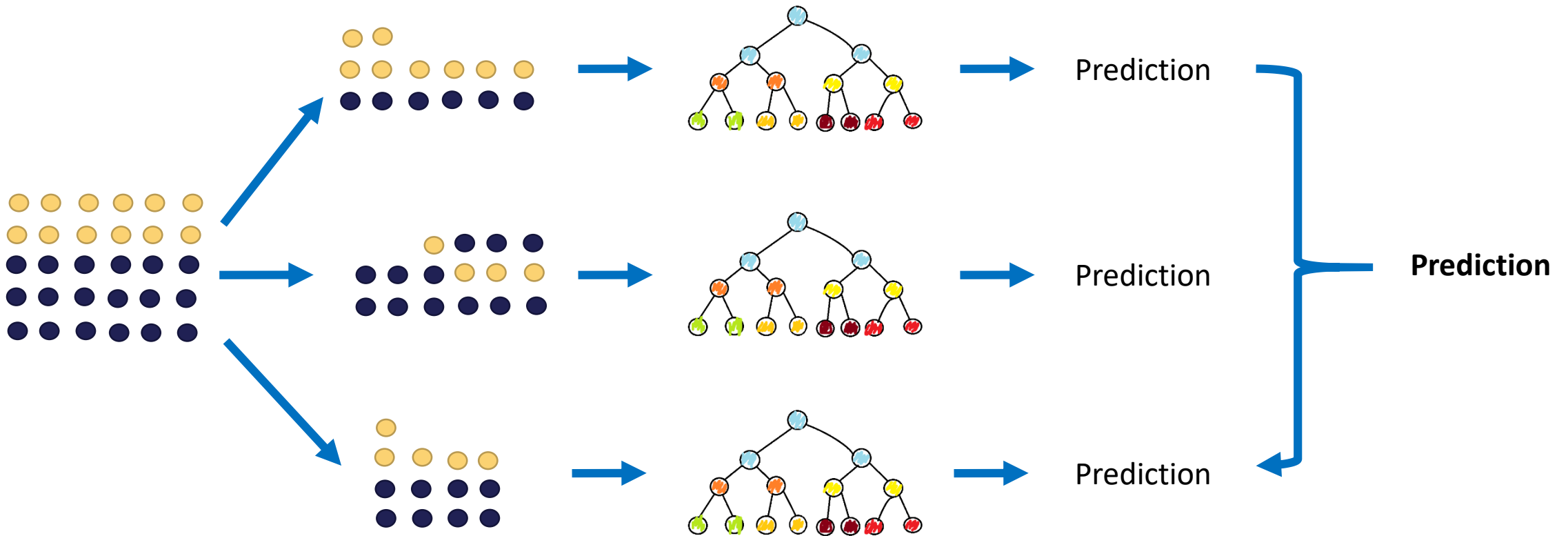
# Explainable models
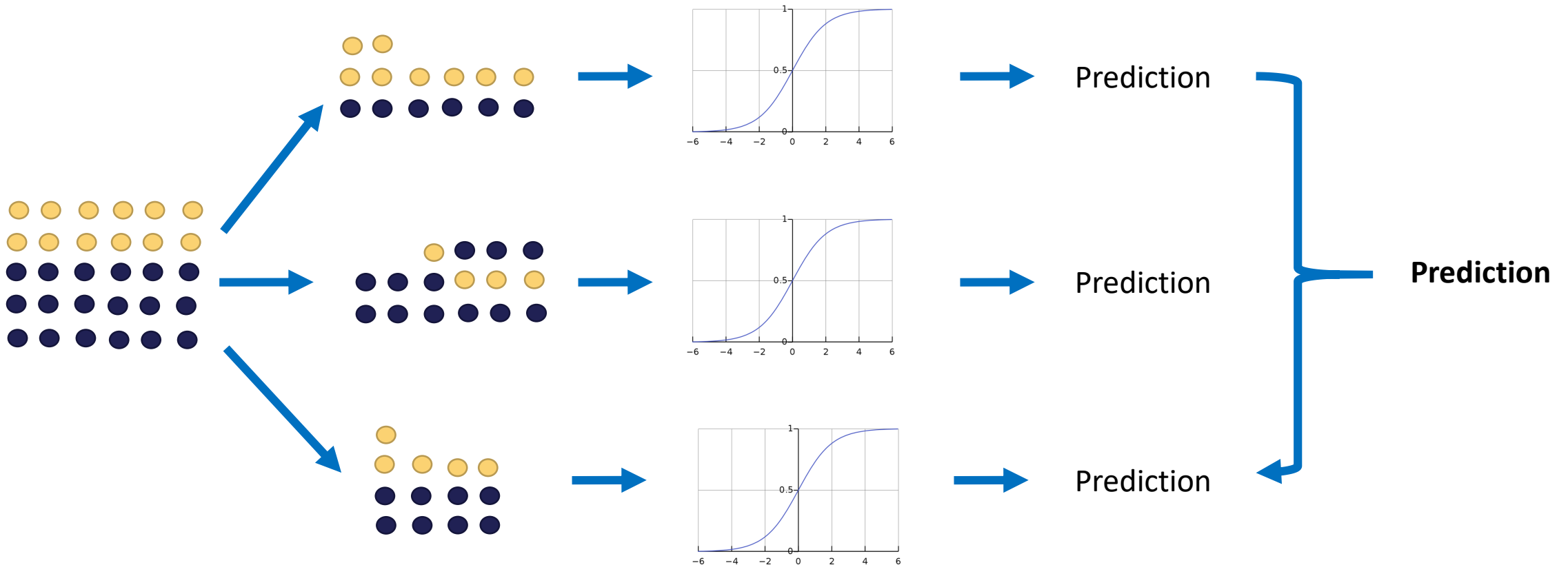
- Linear regression
- Logistic regression
- Decision trees

# Ensembles - bagging

# Ensembles - bagging

# Ensembles - boosting



Prediction ➕ Prediction ➕ Prediction ➡️ **Prediction**
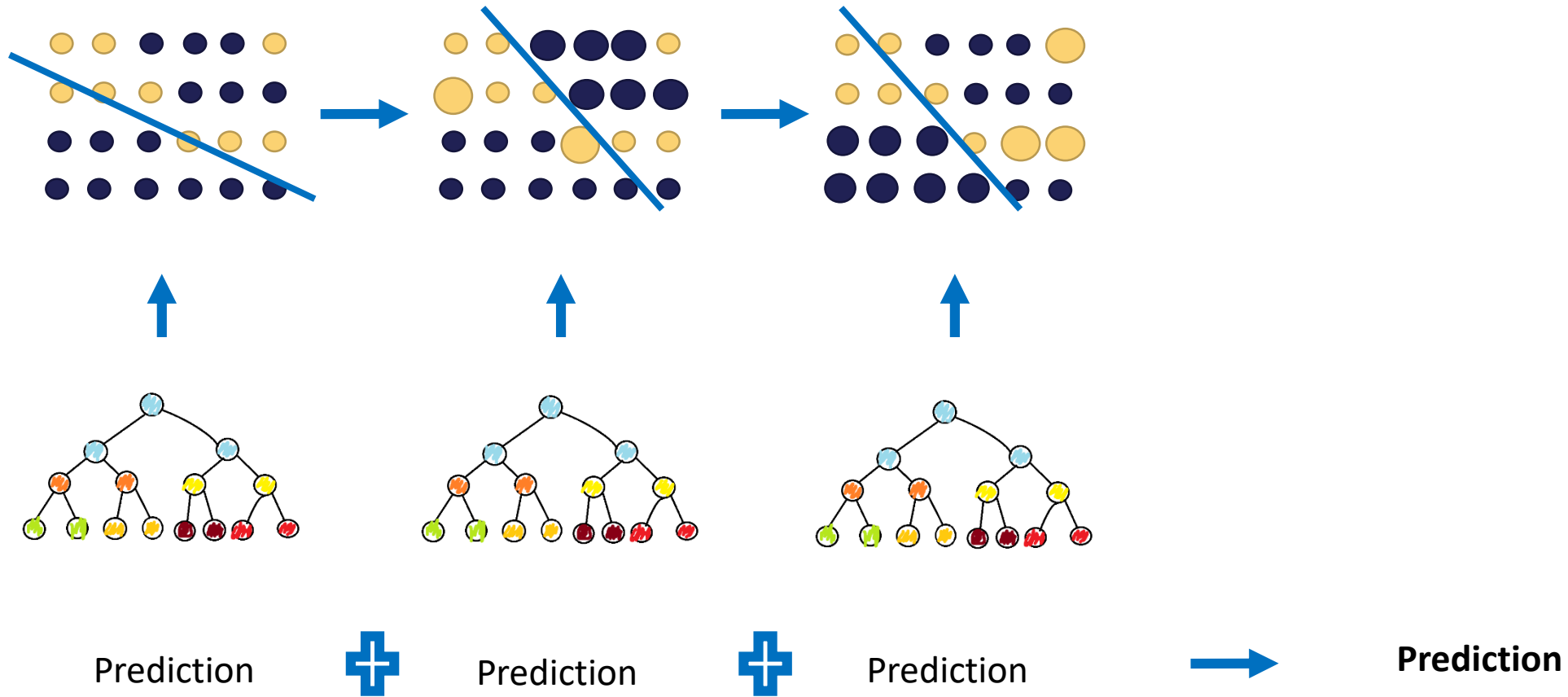
# Ensemble models

If we:

- can explain each individual model, and

- understand how these models are combined,

- we can explain the ensemble.

# This section (bagging)

- Foundations of ensemble learning (optional)

- Revisit bagging and random forests

- Explain Random Forests globally and locally

- Explain bagged linear models globally and locally

- Python Demos

# THANK YOU

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