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Discretisation with decision trees

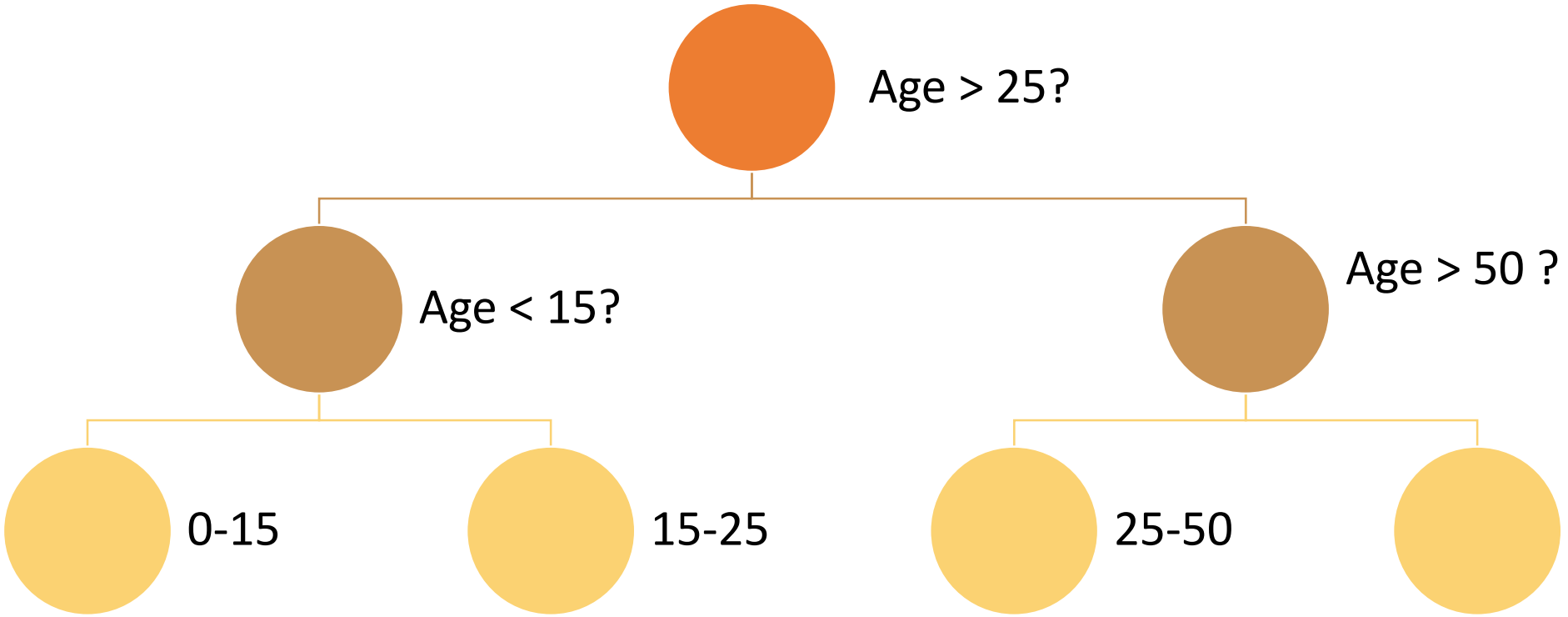
Discretisation with decision trees

Discretisation with Decision Trees consists in using a decision tree to identify the optimal bins.

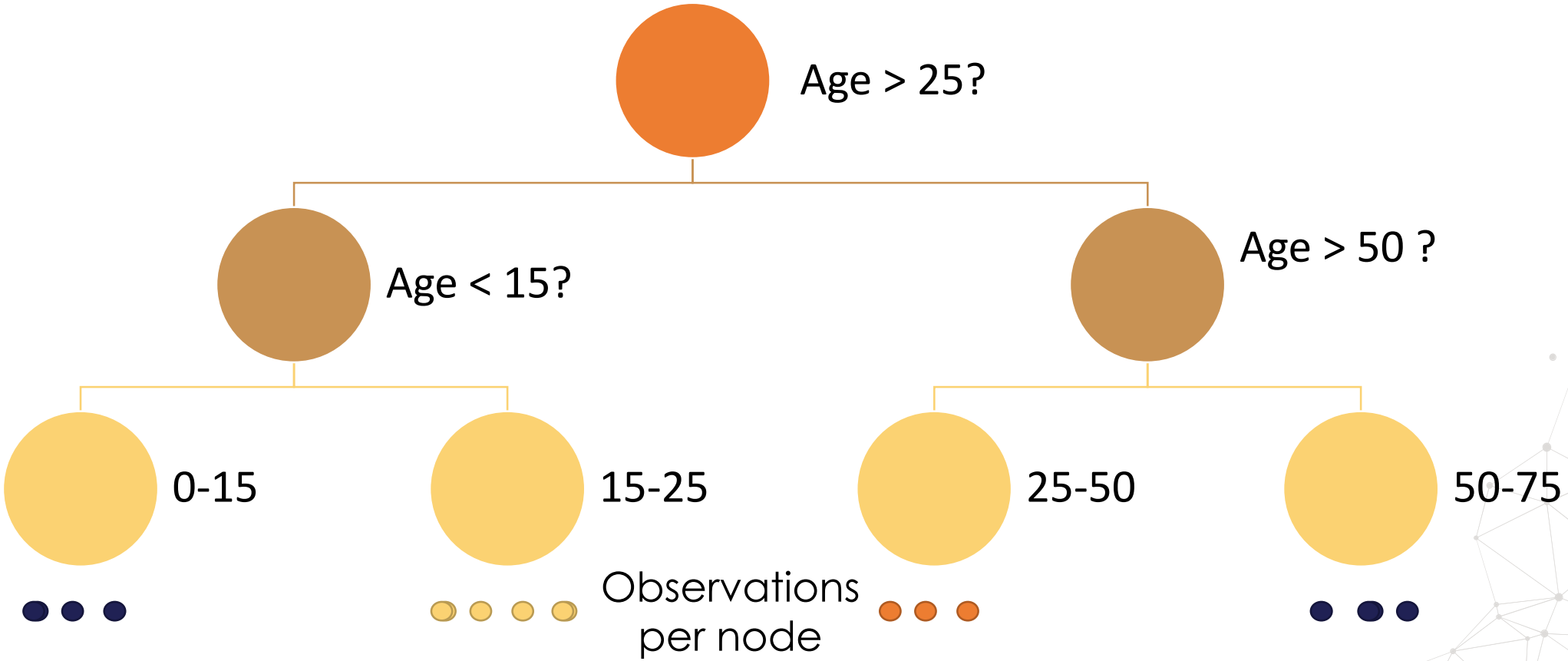
When a decision tree makes a decision, it assigns an observation to one of n end leaves.

Decision tree creates a discrete output, which values are the predictions at each of its n leaves.

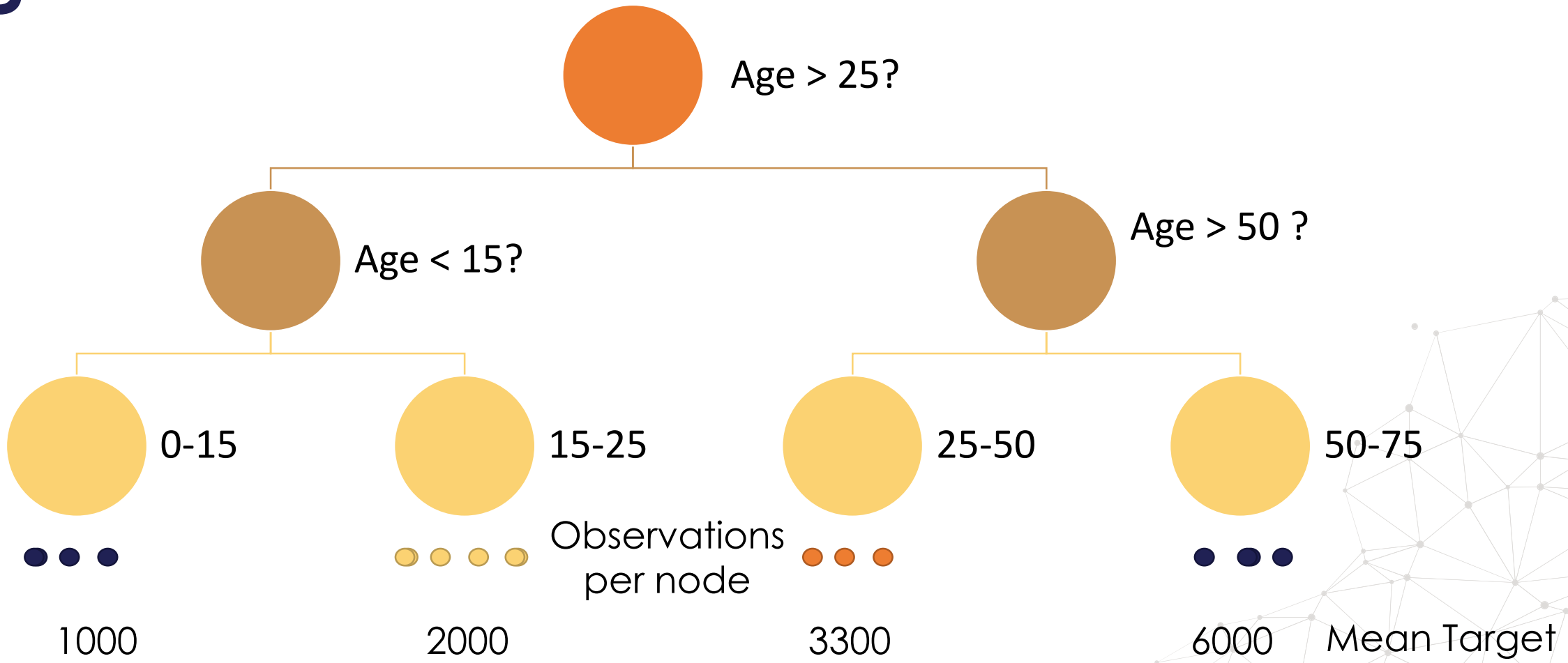
Discretisation with decision trees



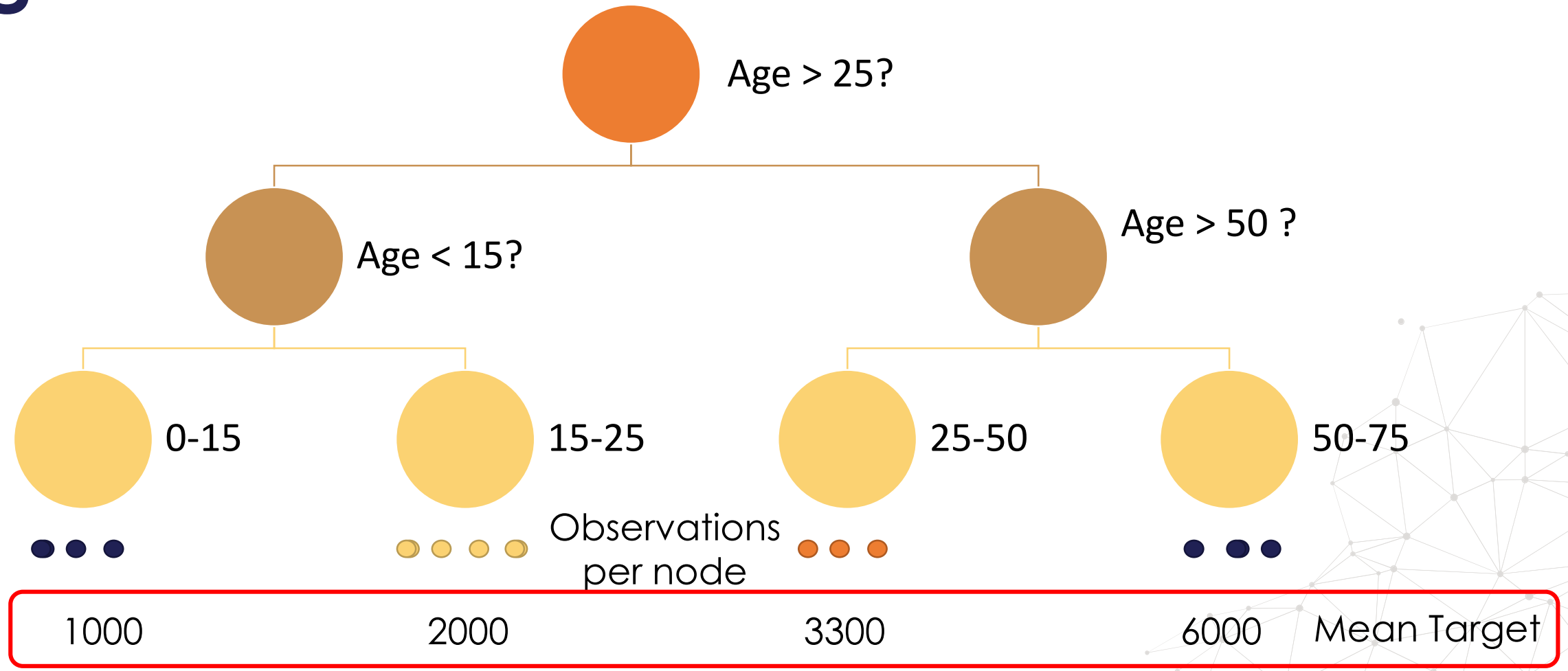
Discretisation with decision trees



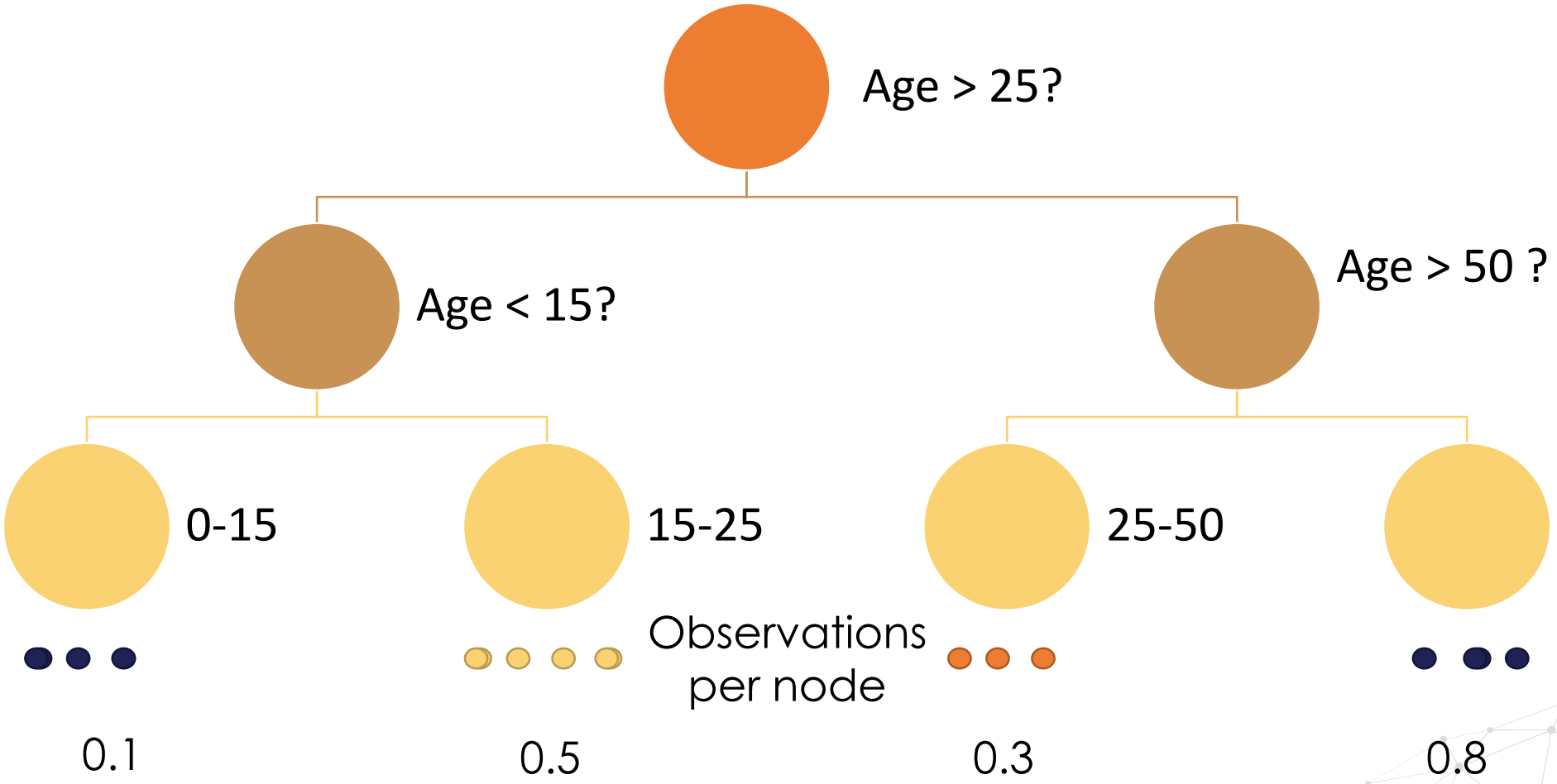
Discretisation with decision trees: regression



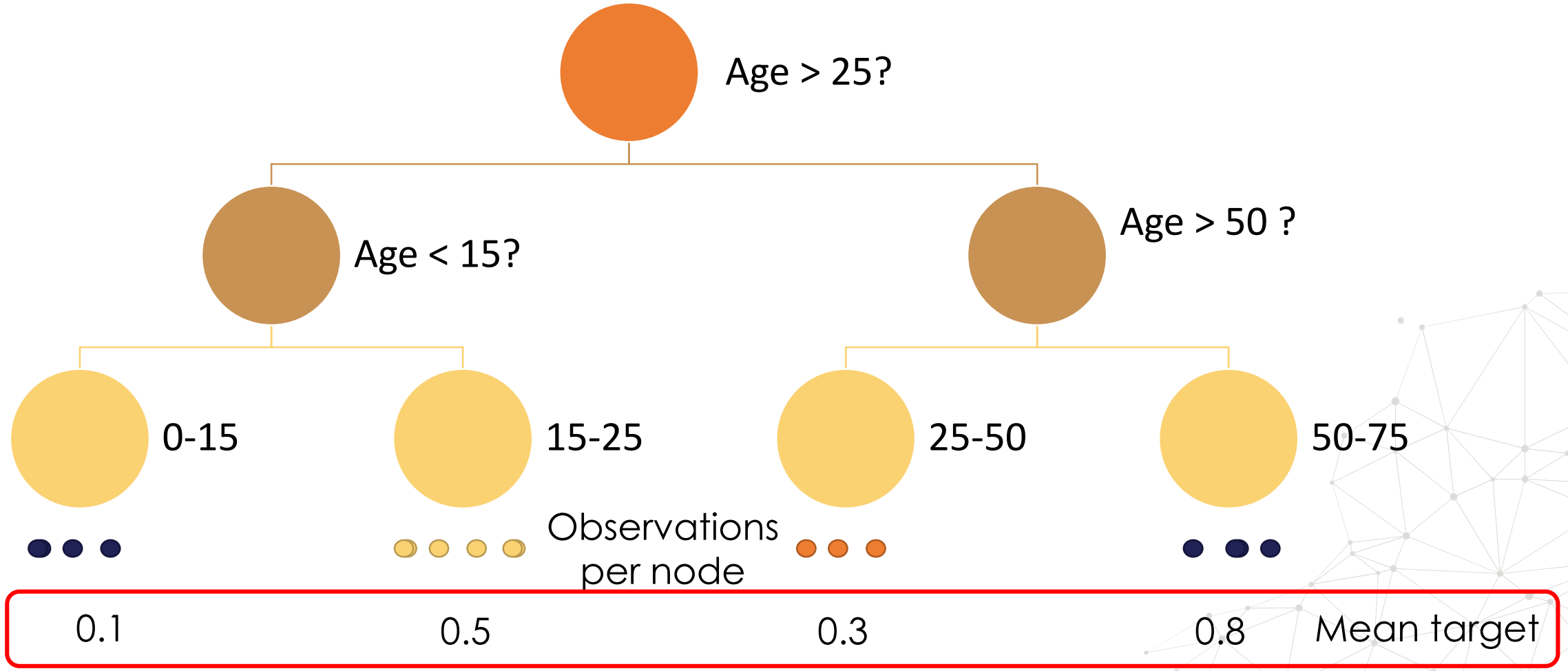
Discretisation with decision trees: regression



Discretisation with decision trees: classification



Discretisation with decision trees: classification



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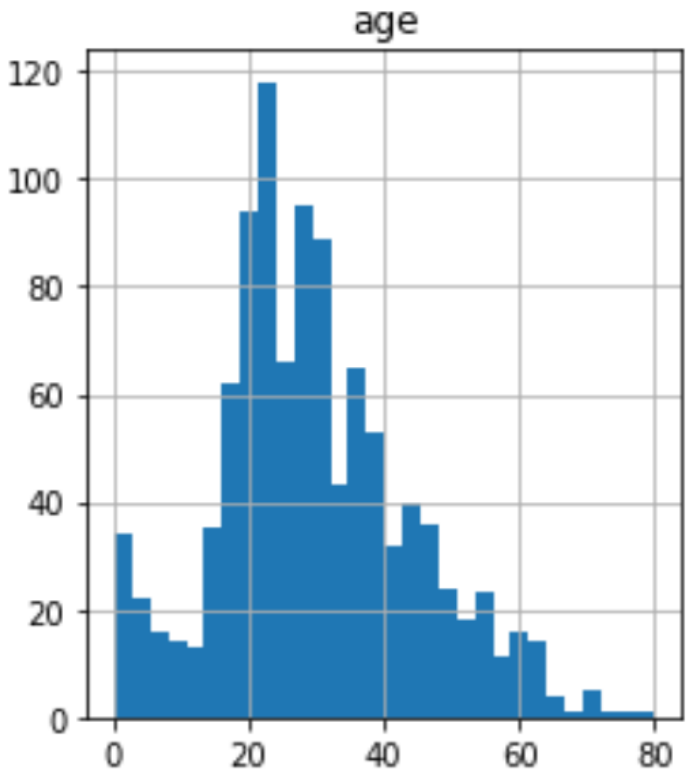

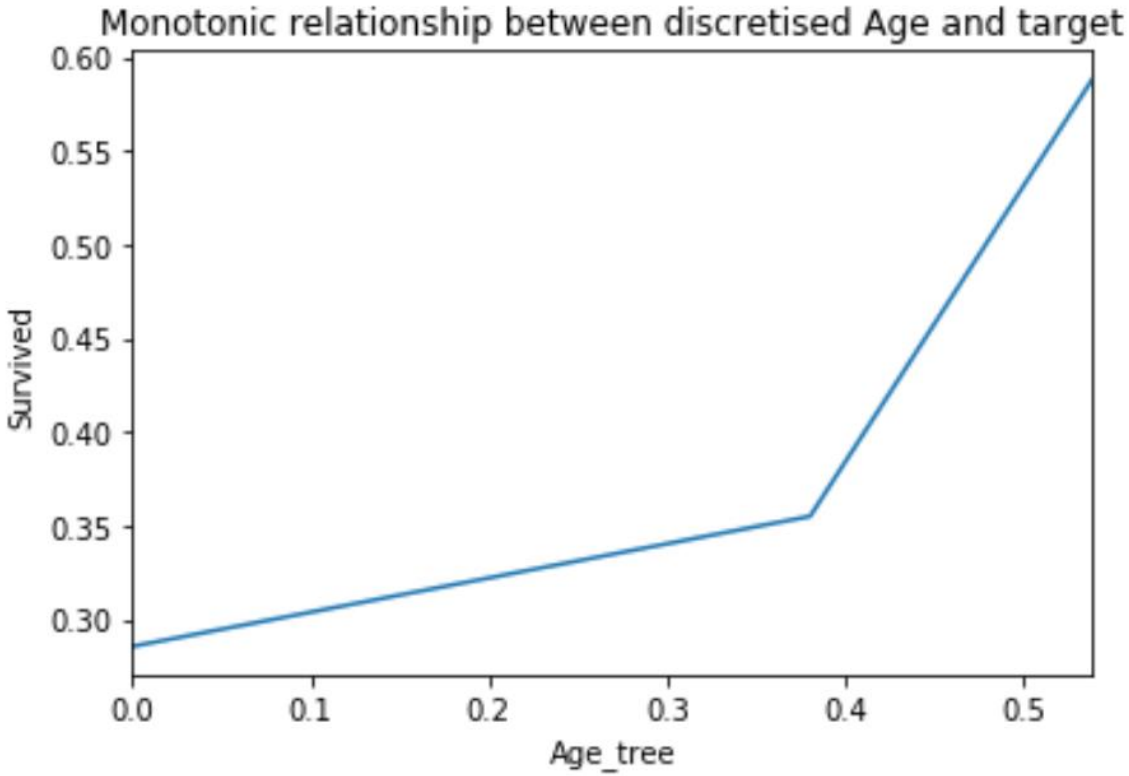

Discretisation with decision trees: summary

- Does not improve value spread
- Handles outliers, trees are robust to outliers
- Creates discrete variable
- Creates monotonic relationship

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THANK YOU

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