How to Evaluate Predictions?

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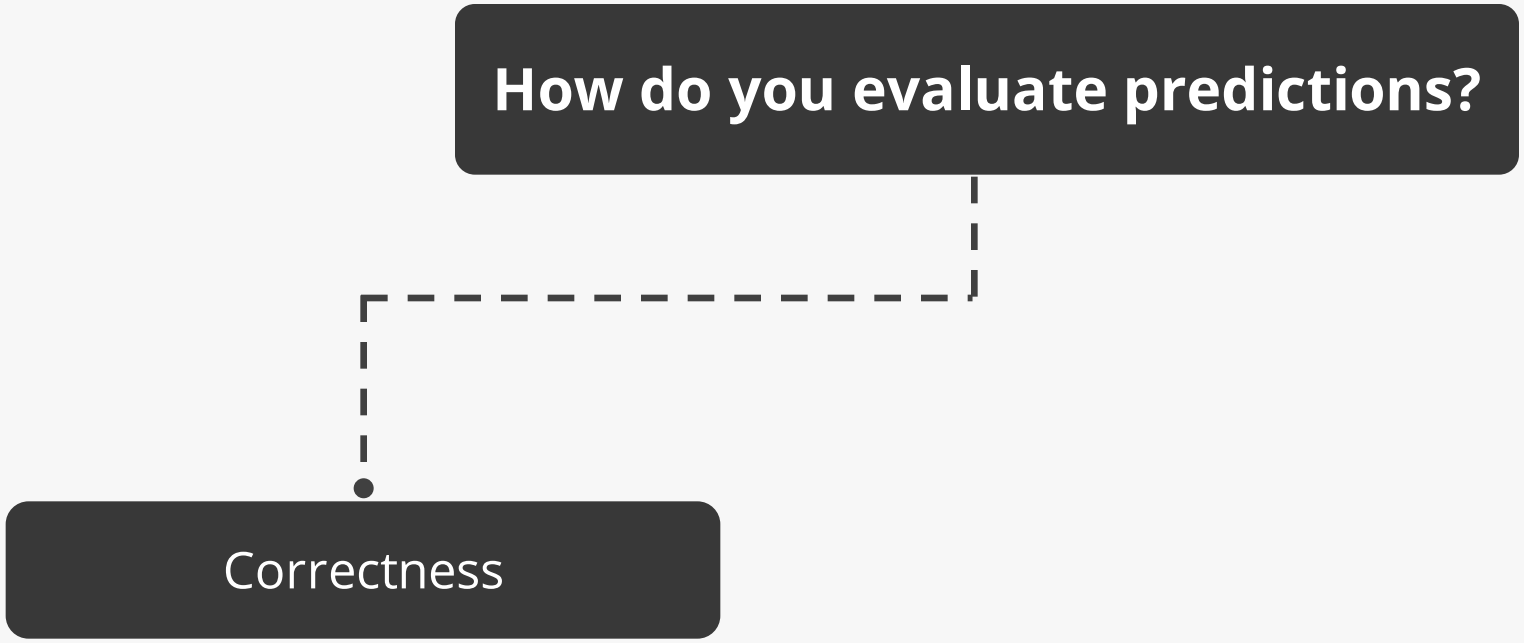

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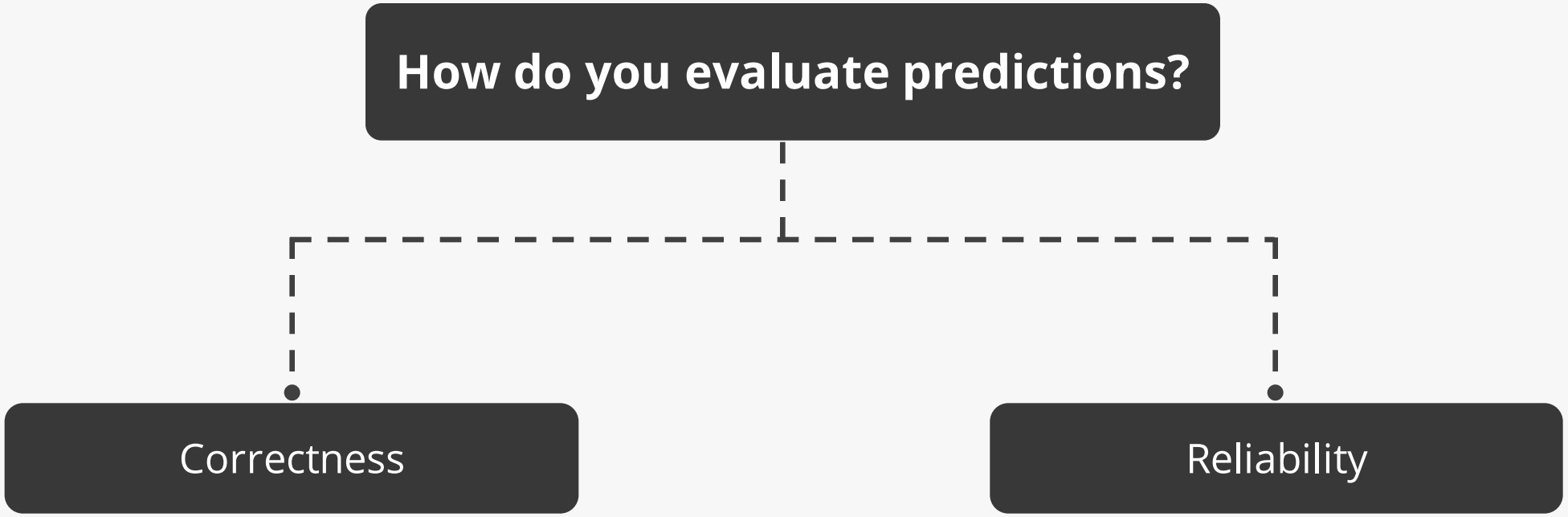

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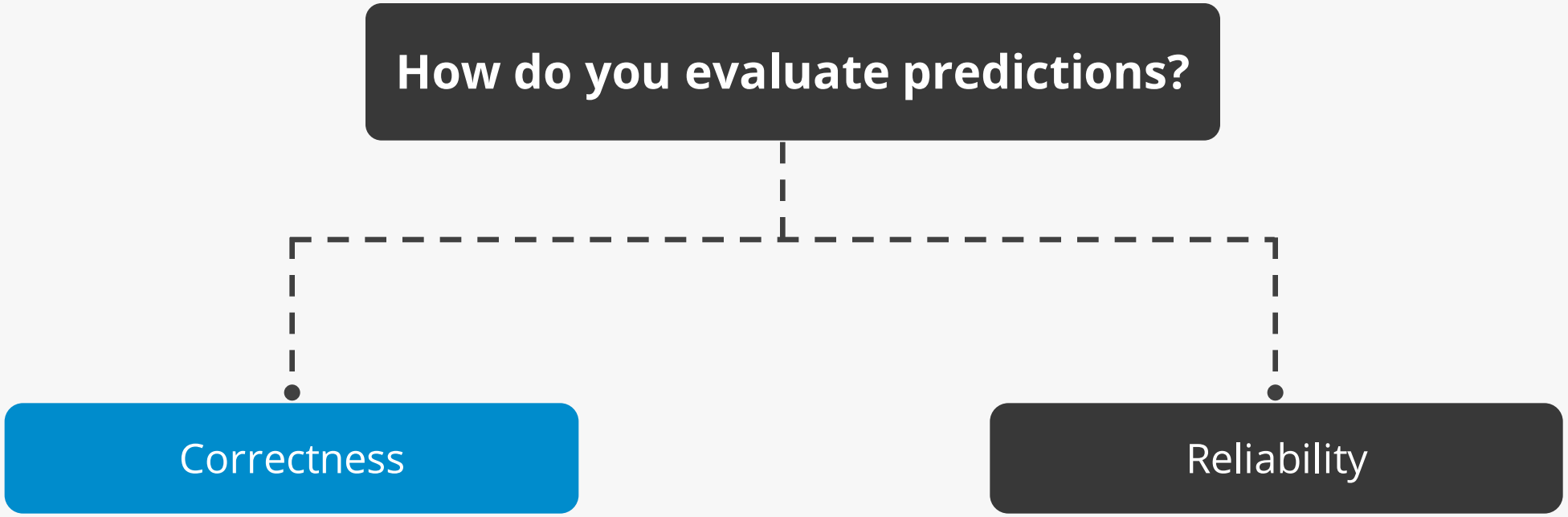

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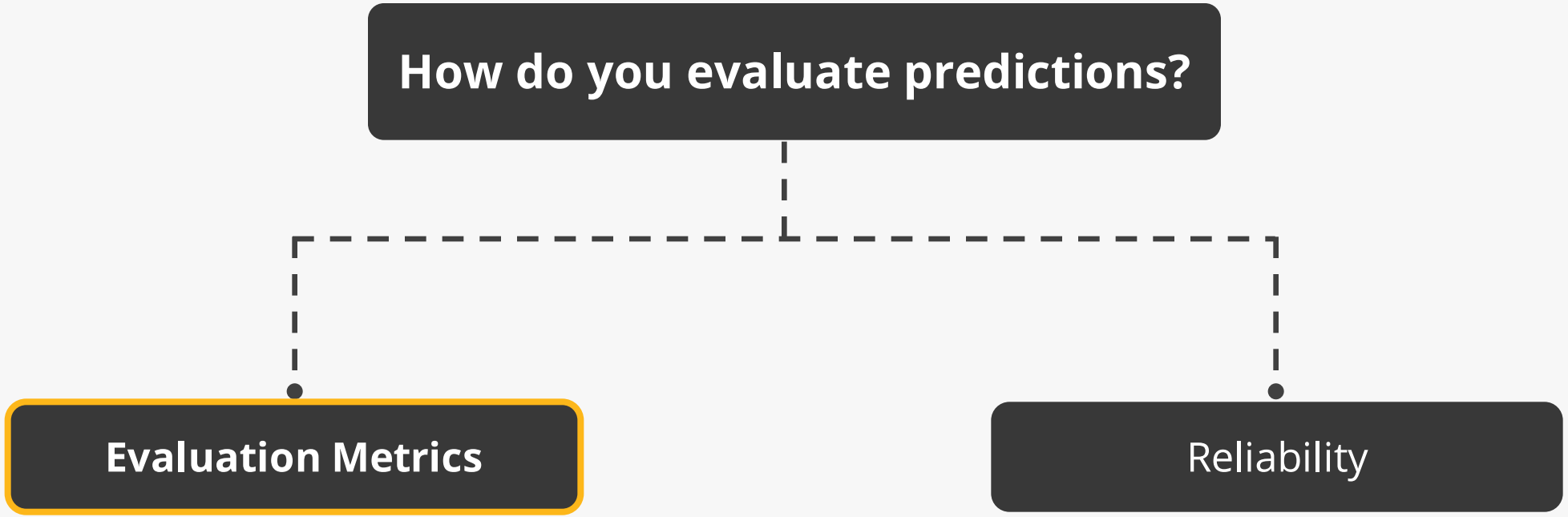

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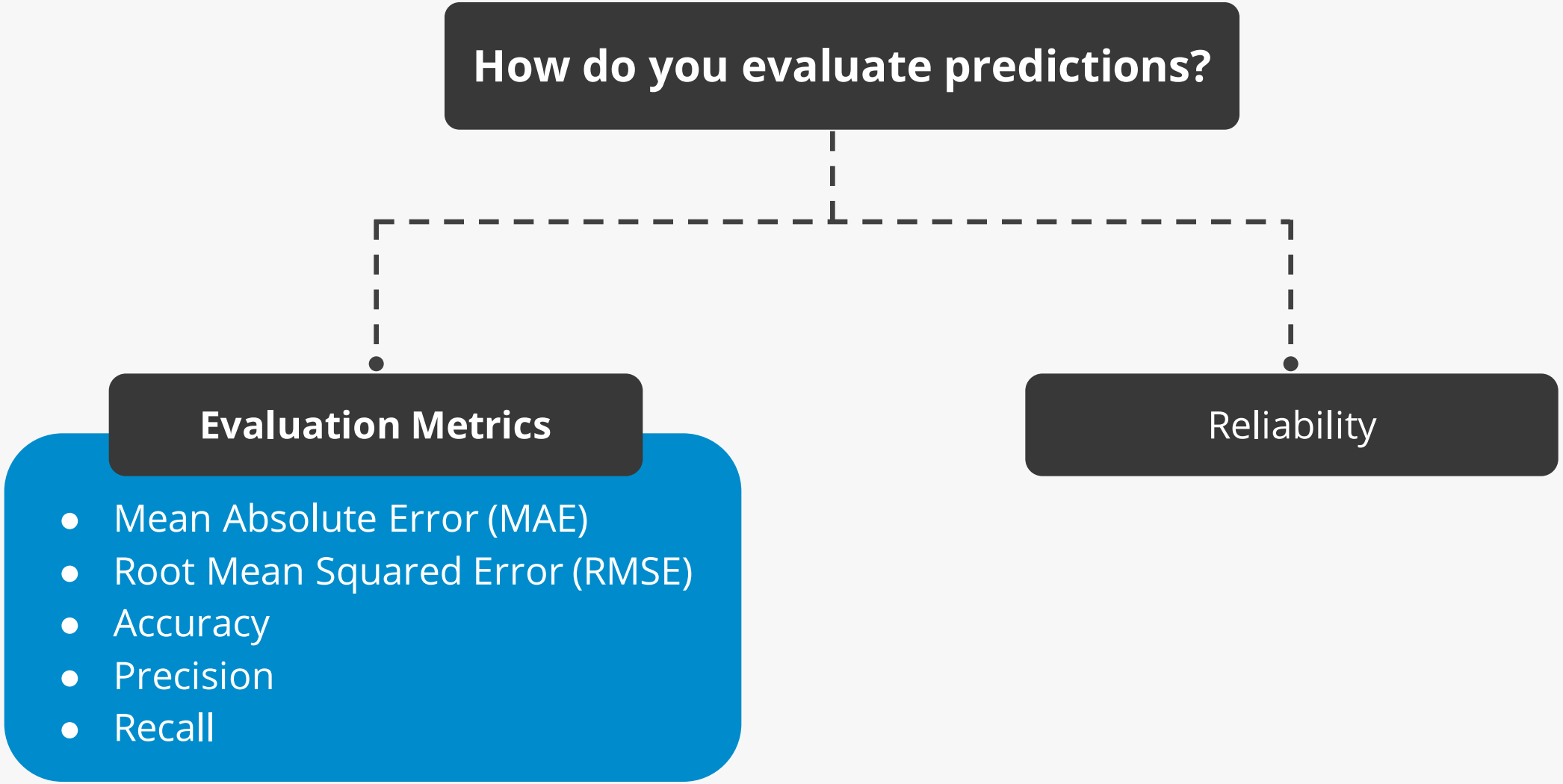

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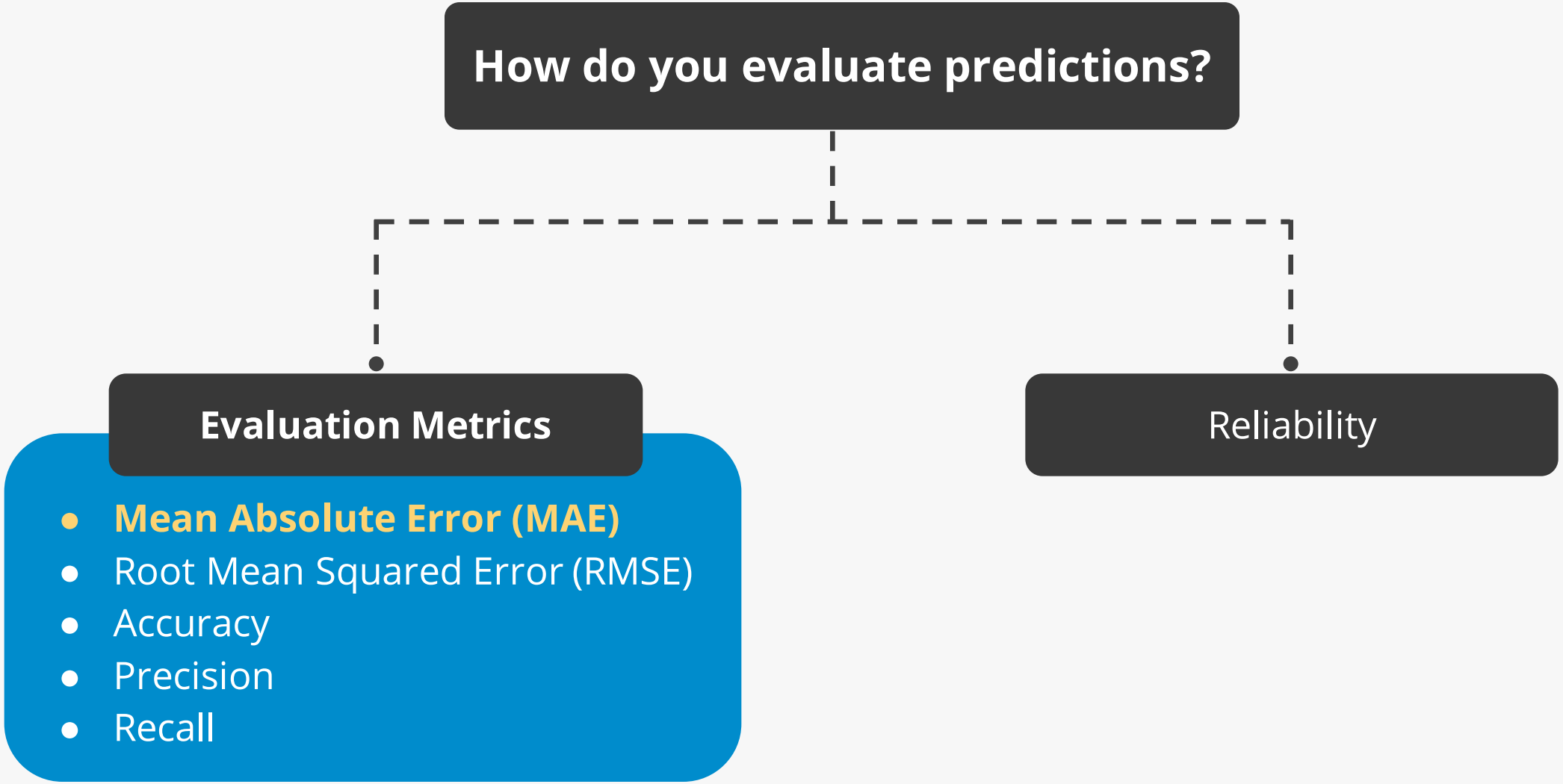


MAE Example

Actual Subscribers	Predicted Subscribers
3231	3110
3821	3804
4005	4097
3343	3298
3560	3376

MAE Example

Actual Subscribers	Predicted Subscribers	Error
3231	3110	121
3821	3804	17
4005	4097	-92
3343	3298	45
3560	3376	184

MAE Example

Actual Subscribers	Predicted Subscribers	Error
3231	3110	121
3821	3804	17
4005	4097	-92
3343	3298	45
3560	3376	184
	Sum of Error	**275**

MAE Example

Actual Subscribers	Predicted Subscribers	Error
3231	3110	121
3821	3804	17
4005	4097	-92
3343	3298	45
3560	3376	184
	Sum of Error	**275**

MAE Example

Actual Subscribers	Predicted Subscribers	Error	Absolute Error
3231	3110	121	121
3821	3804	17	17
4005	4097	-92	92
3343	3298	45	45
3560	3376	184	184
	Sum of Errors	**275**	**459**

MAE Example

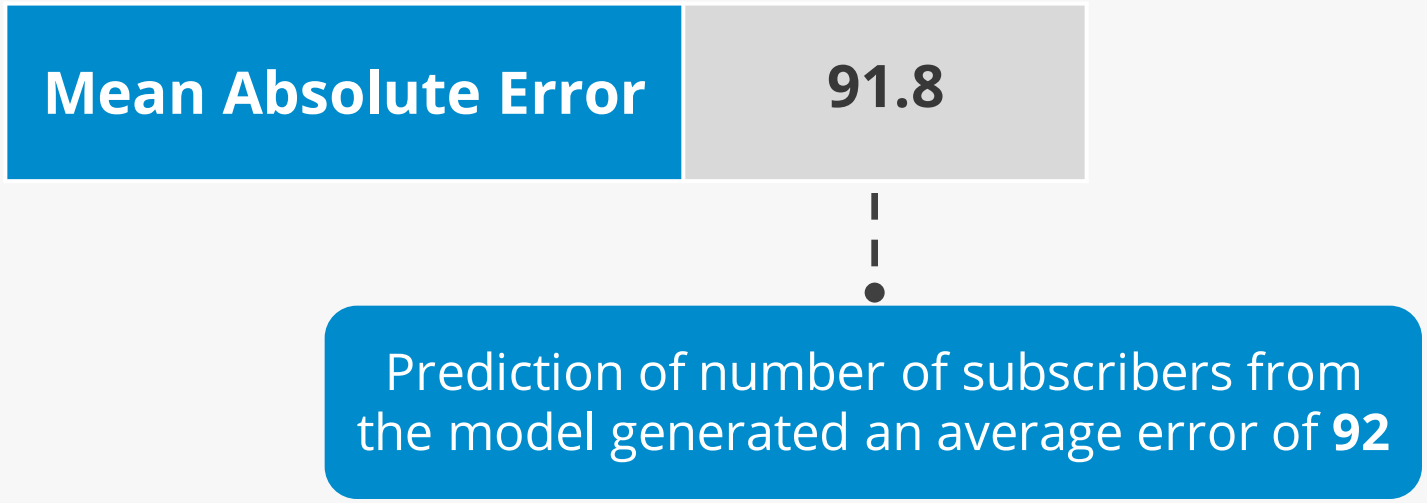
Actual Subscribers	Predicted Subscribers	Error	Absolute Error
3231	3110	121	121
3821	3804	17	17
4005	4097	-92	92
3343	3298	45	45
3560	3376	184	184
	Sum of Errors	**275**	**459**

MAE Example

Actual Subscribers	Predicted Subscribers	Error	Absolute Error
3231	3110	121	121
3821	3804	17	17
4005	4097	-92	92
3343	3298	45	45
3560	3376	184	184
	Sum of Errors	275	**459**

Mean Absolute Error	**459/5**	**91.8**

MAE Example


Mean Absolute Error
91.8
Prediction of number of subscribers from the model generated an average error of **92**

Steps To Calculate MAE

1. Take the predicted values from your model for each data point.

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2. Subtract the corresponding actual values from the predicted values.

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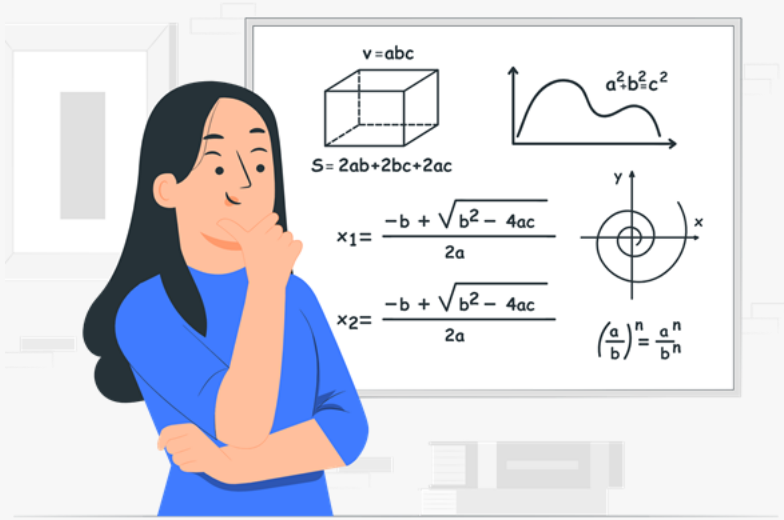
2. Subtract the corresponding actual values from the predicted values
3. Convert the differences in absolute errors
4. Calculate the sum of absolute errors

Steps To Calculate MAE

1. Take the predicted values from your model for each data point
2. Subtract the corresponding actual values from the predicted values
3. Convert the differences in absolute errors
4. Calculate the sum of absolute errors
5. Find the mean of absolute errors

Formula To Calculate MAE



$$MAE = \frac{1}{n}\sum_{i=1}^{n} |\text{Predicted Value - Actual Value}|$$

Note: n represents the number of datapoints