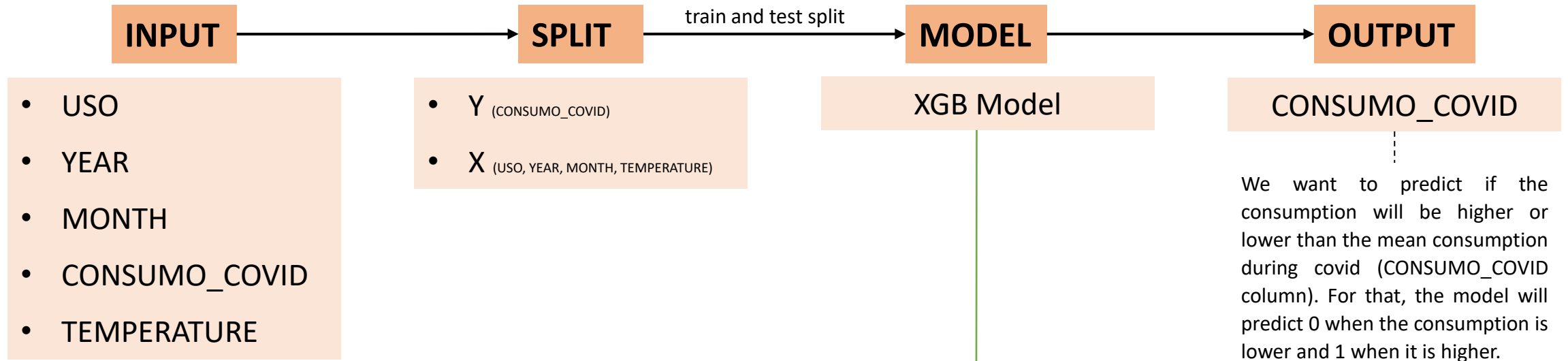


# MODELLING: BLOCK 1



How we measure the performance?

- Confusion matrix

VALORES PREDICIÓN	VALORES REALES	
	Falsos Negativos	Verdaderos Negativos
VALORES REALES	Verdaderos positivos	Falsos Positivos
	Falsos Negativos	Verdaderos Negativos

- Accuracy score

$$\text{Accuracy} = \frac{\text{Number of correct predictions}}{\text{Total number of predictions}}$$

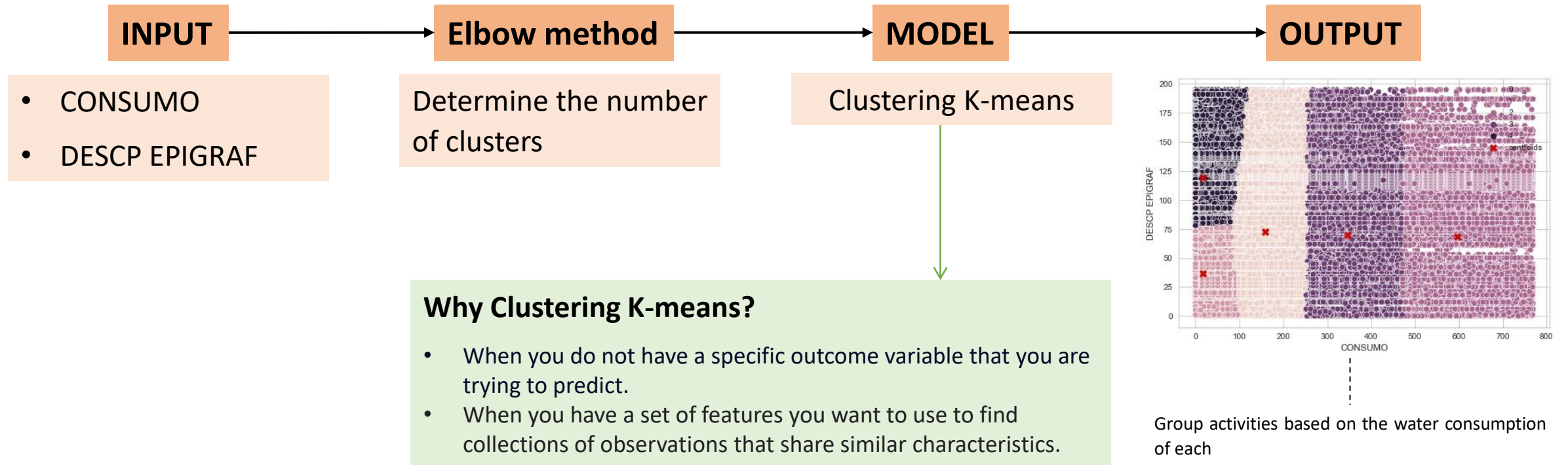
- Classification report: Precision, Recall and f1-score

**Interpretation:** SHAP values

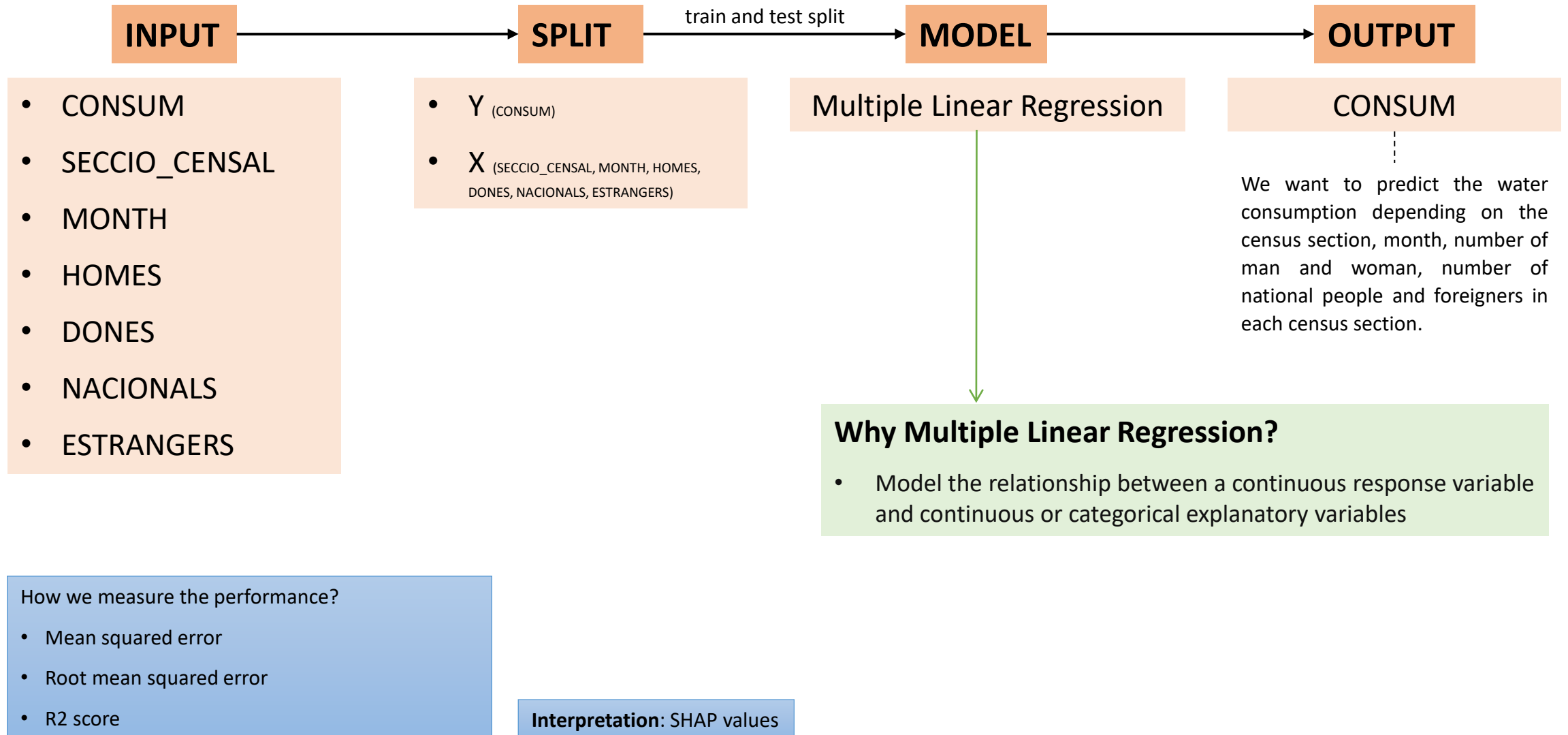
## Why XGB Model?

- When you have large number of observations in training data.
- Number features < number of observations in training data.
- It performs well when data has mixture numerical and categorical features or just numeric features.
- When the model performance metrics are to be considered.

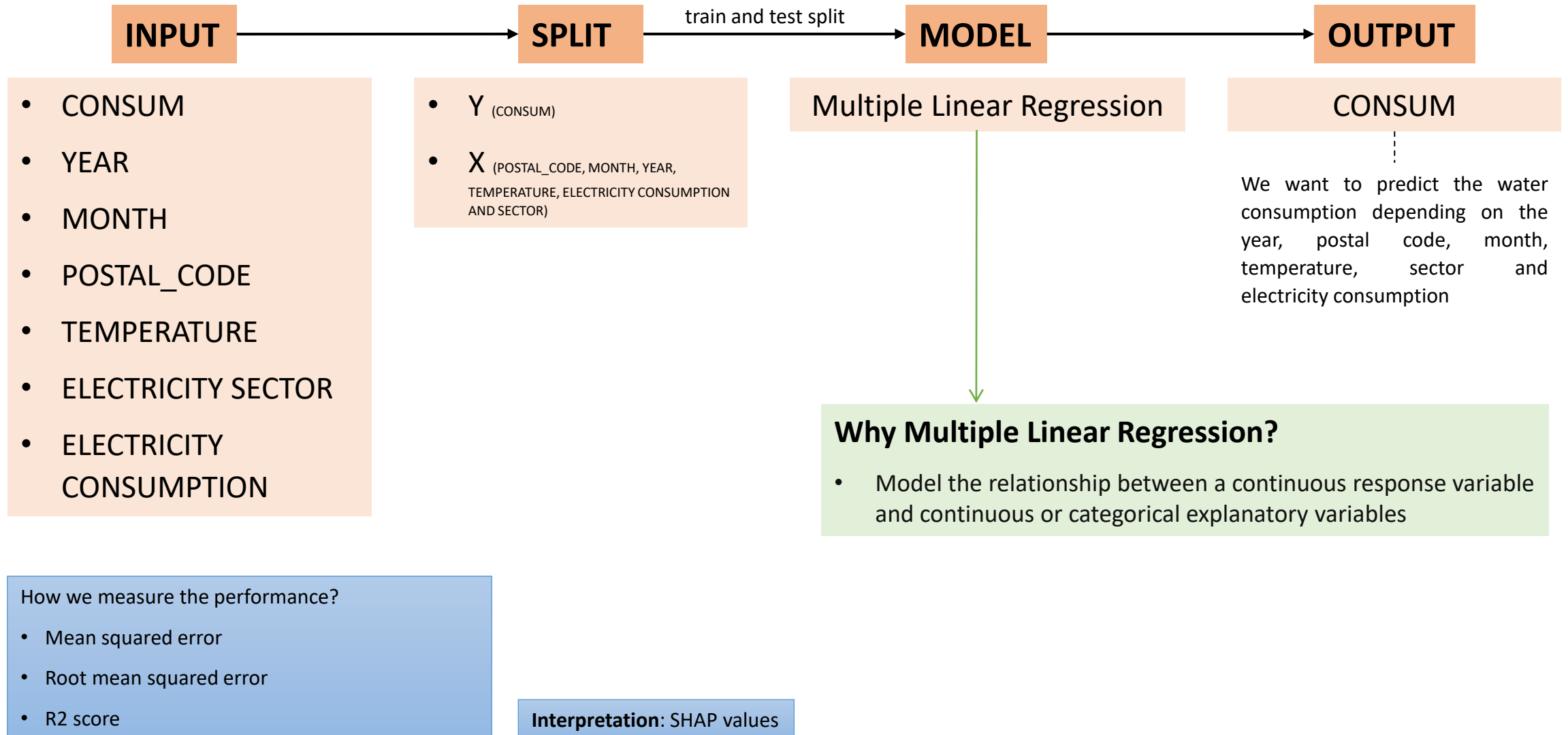
# MODELLING: BLOCK 2



# MODELLING: BLOCK 3



# MODELLING: BLOCK 4



# MODELLING: BLOCK 5

