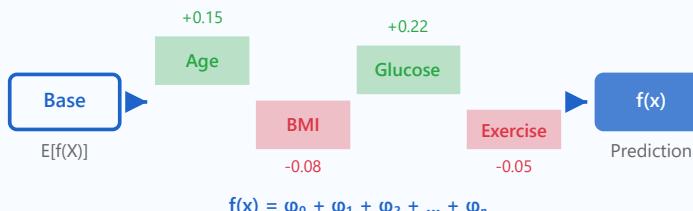


SHAP Values for Model Interpretation

SHapley Additive exPlanations - unified framework for interpretability

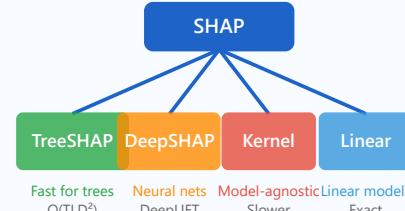
How SHAP Works



Shapley Value: Fair contribution
Additive feature attribution

- Considers all possible feature combinations
- Satisfies consistency & local accuracy

SHAP Algorithms



Key Properties: ✓ Local accuracy ✓ Missingness ✓ Consistency

The only method satisfying all desired properties (Lundberg & Lee, 2017)

Visualization Types

