

Constraint	Compatible methods	Relevant opts	Notes
unimodal	adjustedKDE weightedKDE greedySharpenedKDE	modeLocation (optional, scalar) (default: NULL – do a search)	<ul style="list-style-type: none"> Implies monotoneRightTail and monotoneLeftTail modeLocation not used for greedySharpenedKDE
monotoneRightTail	adjustedKDE weightedKDE greedySharpenedKDE	rightTail (optional, scalar in [0, 100]) (default: 90)	<ul style="list-style-type: none"> rightTail is a percent point of the unconstrained KDE
monotoneLeftTail	adjustedKDE weightedKDE greedySharpenedKDE	leftTail (optional, scalar in [0, 100]) (default: 10)	<ul style="list-style-type: none"> leftTail is a percent point of the unconstrained KDE
twoInflections	adjustedKDE weightedKDE	inflectionPoints (optional, vector, length 2) (default: NULL – do a search)	<ul style="list-style-type: none"> Implies unimodal, monotoneRightTail, and monotoneLeftTail
twoInflections+	adjustedKDE weightedKDE	inflectionPoints (optional, vector, length 3) (default: NULL – do a search)	<ul style="list-style-type: none"> Implies twoInflections, unimodal, monotoneRightTail, and monotoneLeftTail
boundedLeft	adjustedKDE weightedKDE greedySharpenedKDE	lowerBound (required, scalar)	
boundedRight	adjustedKDE weightedKDE greedySharpenedKDE	upperBound (required, scalar)	
symmetric	adjustedKDE	pointOfSymmetry (optional, scalar) (default: NULL – do a search)	
bimodal	adjustedKDE weightedKDE	modeLocation (optional, vector, length 3) (default: NULL – do a search)	<ul style="list-style-type: none"> modeLocation holds the locations of the left mode, antimode, and right mode Not compatible with unimodal, monotoneRightTail, monotoneLeftTail, twoInflections, or twoInflections+