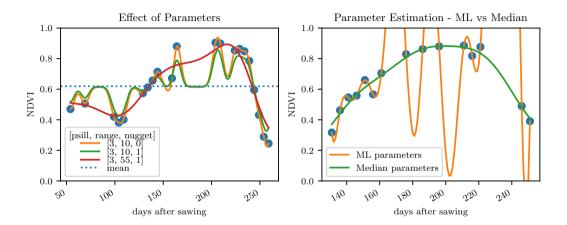


1/5

	assumtpions	pros	cons	weights	ponnded
Savitzky-Golay fil-	- high frequencies are noise	-	- cannot deal natively with missing	no	yes
ter	(low.pass filter) - equidistant points		data (need some interpolation)		
+ NDVI	 upper envelope – vegetation can- 	 biological knowledge 	– bad "upper envelope" since weights	(no)	yes
	not grow faster than some slope		are not used for the estimation itselfe		
Loess					
Smoothing	 2cd derivative of function is inte- 	 intuitive meaning of penalty – gen- 	unbounded	yes	no
Splines	grable	eral assumptions - flexible shape			
B-Splines +	 function can be approximated by a 	 general assumtion – flexible shape 	 unbounded – no intuitive meaning 		no
Smooth	linear combination of B-splines basis		for smoothing		
	functions				
(Gaussian) Ker-		 simple – general assumptions 	 bandwidh: failes if there are big 	yes	yes
nel Smoothing			data-gaps		
Double-Logistic	- function first increases then de-	 good for evergreen plants (if snow 	 parameterestimation can go seri- 	yes	yes
	creases – ndvi has a minimal value	masks ndvi) -upper envelope	ously wrong – strange behaviour for		
			long data-gaps		
Universal Kriging	- function is a realization of a station-	 informative parameters – flexible 	- regression to the mean - assump-	yes	yes
	ary gaussian process		tions clearly not met		



scl class table from https://mdpi-res.com/d_attachment/remotesensing/remotesensing-13-00300/article_deploy/remotesensing-13-00300-v2.pdf?version=1611106659

