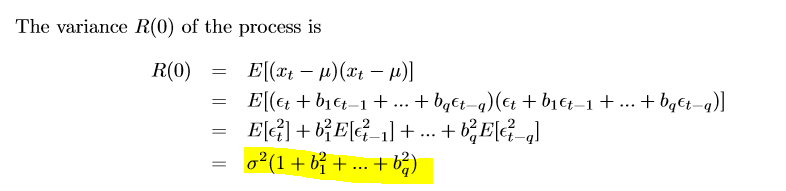


**Moving Average MA(q) Process**

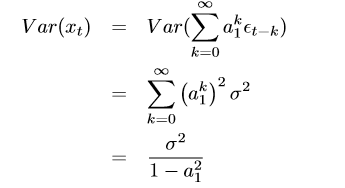


**ACF at lag k**

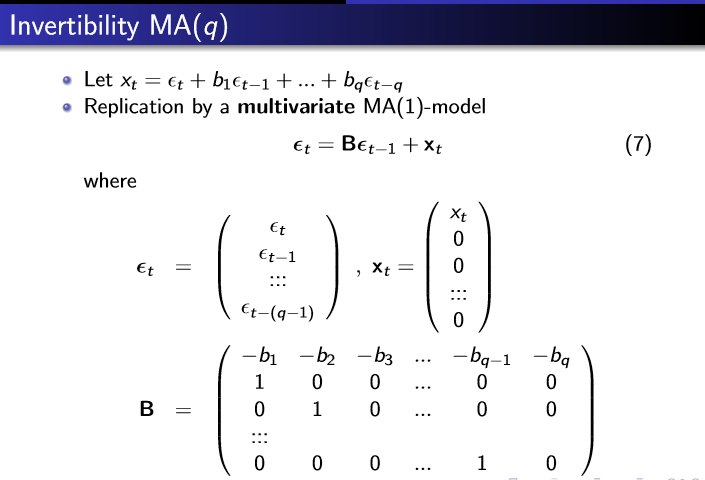
Ex. MA(1):

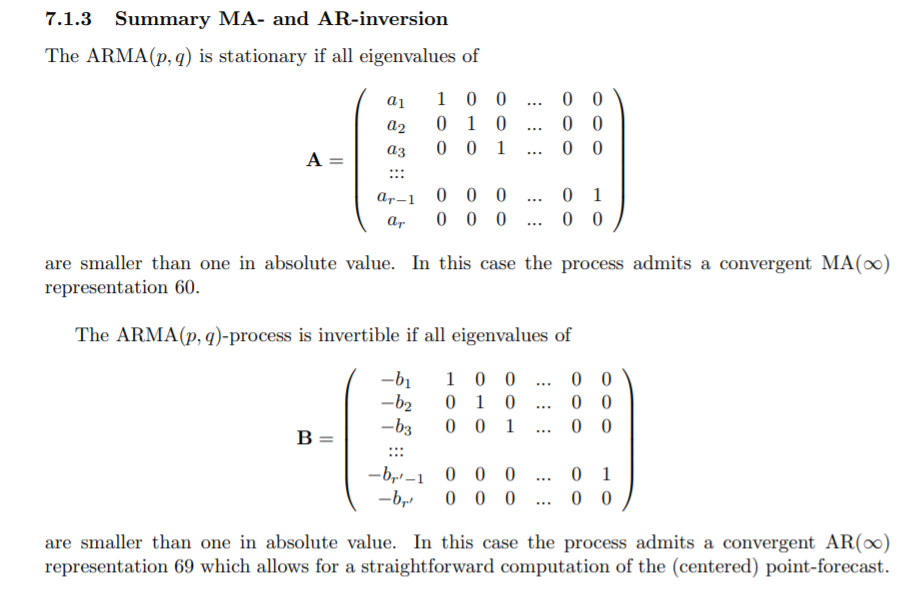
**AR(1)-Process**

**Mean AR(p):**



**MA-Inversion**





all eigenvalues of A are smaller than one in absolute value: this restriction ensures stationarity of the ARMA(p, q)-process

all eigenvalues of B are smaller than one in absolute value: this restriction ensures invertibility of the ARMA(p, q)-process