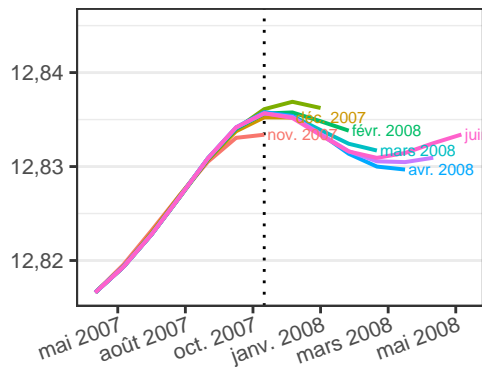
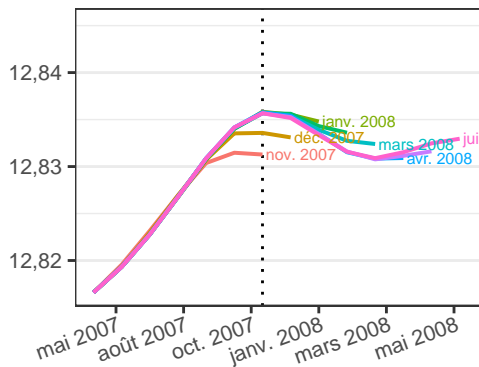


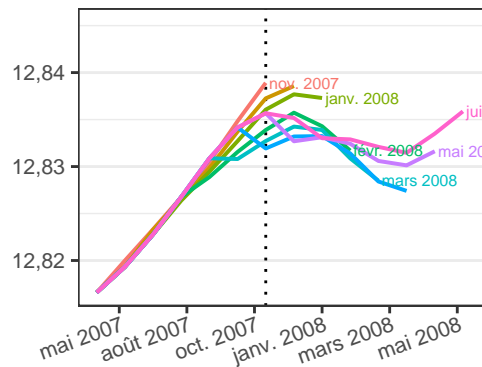
$b_{q, \Gamma}$   
Déphasage de 4 mois



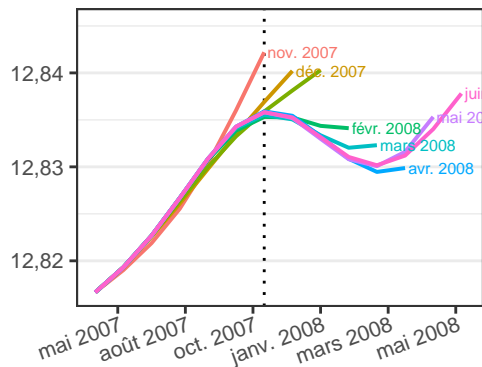
$b_{q, G}$   
Déphasage de 2 mois



$b_{q, \phi}$   
Déphasage de 7 mois



ARIMA  
Déphasage de 3 mois



FST  
Déphasage de 6 mois

