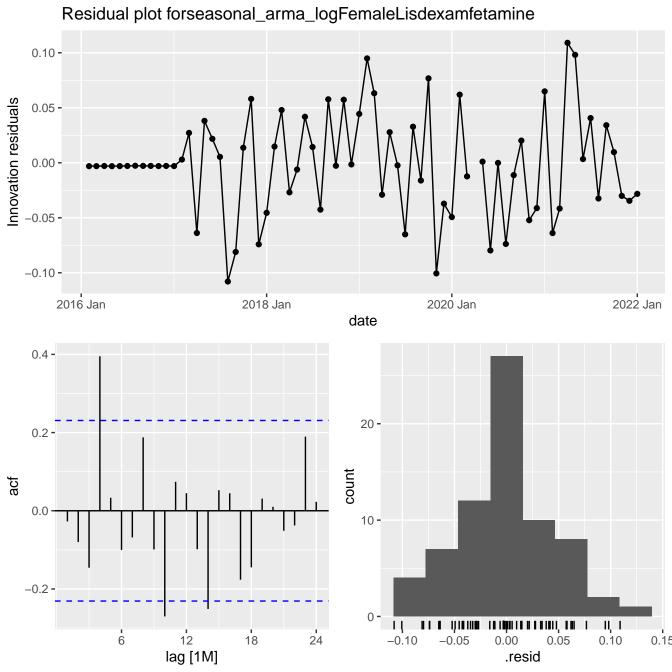
Residual plot forseasonal_arma_logFemaleDexamfetamine 0.05 -Innovation residuals 0.00 --0.05 **-**-0.10 **-**2018 Jan 2020 Jan 2022 Jan 2016 Jan date 0.2 -20 -0.1 -15 conut 0.0 -0.1 **-**5 --0.2 **-**6 18 24 12 -0.10-0.050.00 0.05 lag [1M] .resid

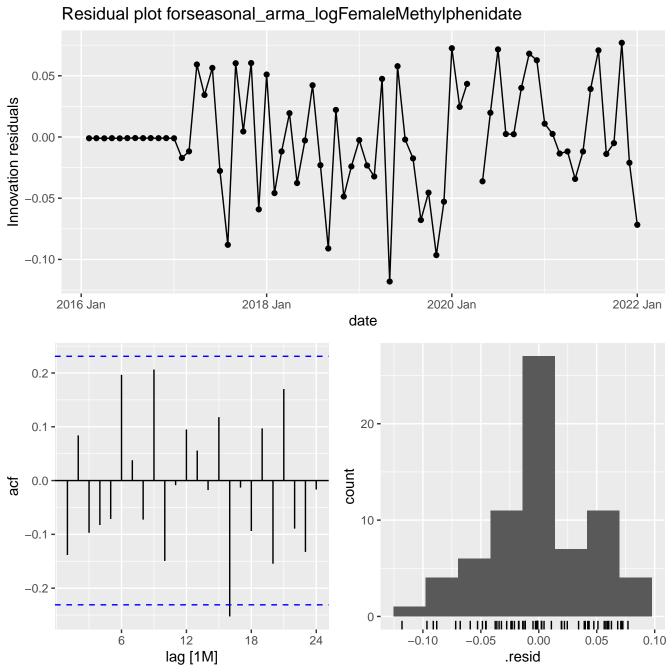
Residual plot forseasonal_arma_logMaleDexamfetamine 0.06 -Innovation residuals 0.03 -0.00 --0.03 **-**-0.06 **-**2016 Jan 2018 Jan 2020 Jan 2022 Jan date 0.3 -25 **-**0.2 -20 -0.1 -15 count acf 0.0 10 --0.1 **-**5 --0.2 **-**0 -**I, I I** 0.04 -0.04 6 12 24 18 0.00 lag [1M] .resid

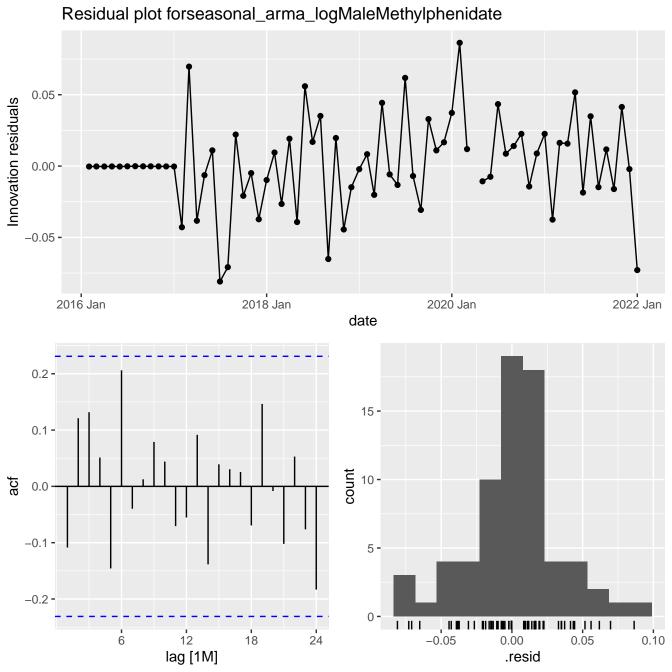
Residual plot forseasonal_arma_logpersonsDexamfetamine 0.050 -Innovation residuals 0.025 -0.000 --0.025 **-**2020 Jan 2018 Jan 2016 Jan 2022 Jan date 20 -0.2 -0.1 -15 conut acf 0.0 -0.1 **-**5 --0.2 **-**0.075 6 18 12 0.050 24 -0.050-0.0250.000 0.025 lag [1M] .resid



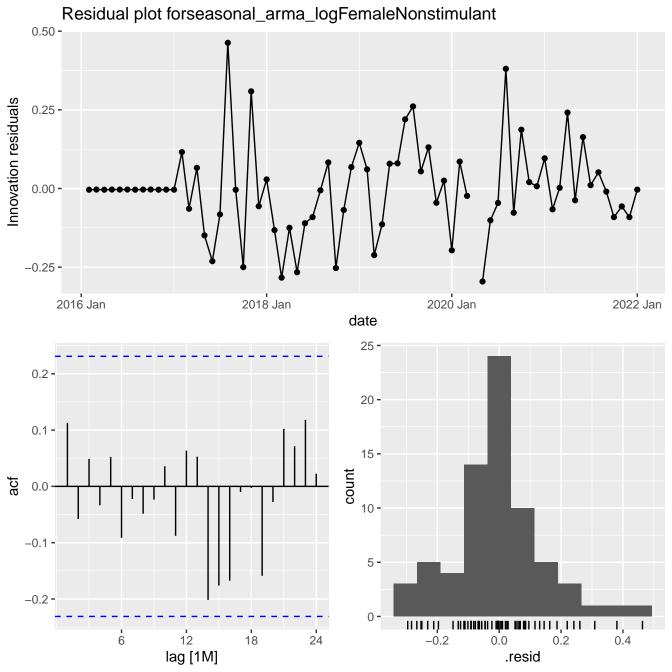
Residual plot forseasonal_arma_logMaleLisdexamfetamine 0.1 -Innovation residuals 0.0 --0.1 **-**2018 Jan 2020 Jan 2022 Jan 2016 Jan date 25 **-**0.2 -20 -0.1 -15 count acf 0.0 10 --0.1 **-**5 --0.2 **-**0 -**I,III** -0.1 **III I, II** 0.1 1 11 0.2 6 12 18 24 0.0 lag [1M] .resid

Residual plot forseasonal_arma_logpersonsLisdexamfetamine 0.10 -Innovation residuals 0.05 -0.00 --0.05 **-**-0.10 **-**2020 Jan 2016 Jan 2018 Jan 2022 Jan date 25 **-**0.2 -20 -0.1 -15 count acf 0.0 10 --0.1 **-**5 --0.2 **-**, 1 111 0.15 6 24 18 12 -0.10 -0.15-0.05 0.00 0.05 0.10 .resid lag [1M]





Residual plot forseasonal_arma_logpersonsMethylphenidate 0.05 -Innovation residuals 0.00 --0.05 **-**2018 Jan 2016 Jan 2020 Jan 2022 Jan date 0.2 -20 -0.1 -15 conut acf 0.0 -0.1 **-**5 --0.2 **-**0 --0.05 **■ I ■** 0.05 6 12 18 24 0.00 lag [1M] .resid



Residual plot forseasonal_arma_logMaleNonstimulant 0.2 -0.1 -Innovation residuals 0.0 --0.1 **-**-0.2 **-**2016 Jan 2020 Jan 2018 Jan 2022 Jan date 0.2 -15 **-**0.1 conut acf 0.0 -0.1 **-**5 --0.2 **-**0 -**Ι** 0.2 18 6 12 24 -0.2-0.10.0 0.1 lag [1M] .resid

Residual plot forseasonal_arma_logpersonsNonstimulant 0.2 -Innovation residuals
-0.0 --0.2 **-**2018 Jan 2020 Jan 2022 Jan 2016 Jan date 0.2 -15 **-**0.1 conut acf 0.0 -0.1 **-**5 --0.2 **-** $_{\rm H}$ **I**, 0.2 6 12 18 24 -0.2-0.10.0 0.1 lag [1M] .resid

.model	sex	medicine	model_name	lb_stat	lb_pvalue
seasonal_arma_log					
	Female				
		Dexamfetamine	<lm <br="" w="">ARIMA(1,0,1)(0,1,1)[12] errors></lm>	6.487646	0.370833077
		Lisdexamfetamine	<lm <br="" w="">ARIMA(2,0,1)(1,1,1)[12] errors></lm>	14.052396	0.007129692
		Methylphenidate	<lm <br="" w="">ARIMA(2,0,0)(0,1,1)[12] errors></lm>	7.442301	0.281871141
		Nonstimulant	<lm <br="" w="">ARIMA(1,0,3)(0,1,1)[12] errors></lm>	6.031624	0.196799007
seasonal_arma_log					
	Male				
		Dexamfetamine	<lm <br="" w="">ARIMA(1,0,1)(0,1,1)[12] errors></lm>	6.109250	0.411063857
		Lisdexamfetamine	<lm <br="" w="">ARIMA(0,0,0)(2,1,0)[12] errors></lm>	6.241277	0.511876292
		Methylphenidate	<lm <br="" w="">ARIMA(1,0,1)(2,1,0)[12] errors></lm>	7.800682	0.167567952
		Nonstimulant	<lm <br="" w="">ARIMA(1,0,0)(2,1,0)[12] errors></lm>	21.915640	0.001254238
seasonal_arma_log					
	persons				
		Dexamfetamine	<lm <br="" w="">ARIMA(1,0,1)(2,1,0)[12] errors></lm>	6.115703	0.295122790
		Lisdexamfetamine	<lm <br="" w="">ARIMA(1,0,0)(1,1,1)[12] errors></lm>	5.192175	0.519412215
		Methylphenidate	<lm <br="" w="">ARIMA(2,0,0)(0,1,1)[12] errors></lm>	13.639287	0.033935596
		Nonstimulant	<lm <br="" w="">ARIMA(1,0,1)(2,1,0)[12] errors></lm>	8.867286	0.114476197