Table 4. Summary of Statistical Models Used in the Generation of Seasonally Adjusted CPI
(2018=100)

Series Name/ Geographic Area Covered	Statistical Models/Options	Summary Measures
All Items – PHILS	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 5.195 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.57. Check: M7, M8, M10, and M11
All Items – NCR	Multiplicative Model: (2,1,2)(0,1,1) With transformation - none F-value: 4.979 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.61. Check: M7, M8, M9, M10, and M11
All Items – AONCR	Multiplicative Model: (0,1,2)(0,1,1) With transformation - none F-value: 6.728 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.43.
Food and Non-alcoholic Beverages – PHILS	Multiplicative Model: (0,1,2)(0,1,1) With transformation - none F-value: 10.489 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.48. Check: M4
Food and Non-alcoholic Beverages – NCR	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 10.283 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.52. Check: M4

Series Name/ Geographic Area Covered	Statistical Models/Options	Summary Measures
Food and Non-alcoholic Beverages – AONCR	Multiplicative Model: (0,1,1)(0,1,1) With transformation - none F-value: 10.239 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.46.
Clothing and Footwear - PHILS	Multiplicative Model: (2,1,0)(0,1,1) With transformation - none F-value: 4.862 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.60. Check: M7, M8, M9, M10, and M11
Clothing and Footwear - AONCR	Multiplicative Model: (2,1,0)(0,1,1) With transformation - none F-value: 4.464 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.56. Check: M8, M9, M10, and M11
Housing, Water, Electricity, Gas and Other Fuels - PHILS	Multiplicative Model: (0,1,1)(0,1,1) With transformation - none F-value: 6.717 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.59. Check: M4, M7, M8, M9, M10, and M11
Housing, Water, Electricity, Gas and Other Fuels - NCR	Additive Model: (0,1,1)(0,1,1) With transformation - none F-value: 3.976 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.72. Check: M7, M8, M9, M10, and M11
Housing, Water, Electricity, Gas and Other Fuels - AONCR	Multiplicative Model: (0,2,2)(0,1,1) With transformation - none F-value: 6.357 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.62. Check: M4, M7, M8, M9, M10, and M11

Series Name/ Geographic Area Covered	Statistical Models/Options	Summary Measures
Furnishings, Household Equipment and Routine Household Maintenance - PHILS	Multiplicative Model: (0,1,2)(0,1,1) With transformation - none F-value: 10.630 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.43. Check: M10 and M11
Furnishings, Household Equipment and Routine Household Maintenance – NCR	Multiplicative Model: (0,1,1)(0,1,1) With transformation – none F-value: 18.260 MAVS: 3X9 MA MAVTC: 9-term MA	Accepted at the level 0.26.
Furnishings, Household Equipment and Routine Household Maintenance – AONCR	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 6.062 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.62. Check: M7, M8, M9, M10, and M11
Health – PHILS	Additive Model: (2,1,2)(0,1,1) With transformation – none F-value: 6.120 MAVS: 3X3 MA MAVTC: 9-term MA	Accepted at the level 0.79. Check: M8, M9, M10, and M11
Health – NCR	Multiplicative Model: (2,1,0)(0,1,1) With transformation - none F-value: 4.063 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.83. Check: M7, M8, M9, M10, and M11
Health – AONCR	Additive Model: (0,1,1)(0,1,1) With transformation - none F-value: 6.154 MAVS: 3X3 MA MAVTC: 9-term MA	Accepted at the level 0.80. Check: M8, M9, M10, and M11

Series Name/ Geographic Area Covered	Statistical Models/Options	Summary Measures
Transport – Philippines	Additive Model: (2,1,0)(0,1,1) With transformation - none F-value: 4.225 MAVS: 3X9 MA MAVTC: 9-term MA	Accepted at the level 0.50. Check: M7
Transport – AONCR	Additive Model: (2,1,0)(0,1,1) With transformation - none F-value: 3.857 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.65. Check: M7, M10, and M11
Education Services - AONCR	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 7.302 MAVS: 3X3 MA MAVTC: 9-term MA	Conditionally accepted at the level 0.78. Check: M4, M7, M8, M9, M10, and M11
Restaurants and Accommodation Services - AONCR	Multiplicative Model: (2,1,2)(0,1,1) With transformation - none F-value: 7.253 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.46. Check: M8, M9, M10, and M11
Personal Care, and Miscellaneous Goods and Services – PHILS	Multiplicative Model: (2,1,0)(0,1,1) With transformation - none F-value: 10.750 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.47. Check: M8, M9, M10, and M11
Personal Care, and Miscellaneous Goods and Services – NCR	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 13.796 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.41. Check: M8, M9, M10, and M11

Source: Philippine Statistics Authority