

Table 4. Summary of Statistical Models Used in the Generation of Seasonally Adjusted CPI, 2024 (2018=100)

Series Name/ Geographic Area Covered	Statistical Models/Options	Summary Measures
All Items – PHILS	Additive Model: (0,1,1)(0,1,1) With transformation - none F-value: 6.383 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.47. Check: M7
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: (0,1,1)(0,1,1) With transformation - none F-value: 6.383 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.43. Check: M7
Food and Non-alcoholic Beverages – PHILS	Multiplicative Model: (0,1,2)(0,1,1) With transformation - none F-value: 10.135 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.48. Check: M4
Food and Non-alcoholic Beverages – NCR	Additive Model: (0,1,1)(0,1,1) With transformation - none F-value: 10.217 MAVS: 3x5 MA MAVTC: 9-term MA	Accepted at the level 0.49.

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Food and Non-alcoholic Beverages – AONCR	Multiplicative Model: (0,1,1)(0,1,1) With transformation - none F-value: 9.876 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: 5.249 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.54. Check: M7, M8, M9, M10, and M11
Clothing and Footwear - AONCR	Multiplicative Model: (2,1,0)(0,1,1) With transformation - none F-value: 4.601 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.54. Check: M8, M9, M10, and M11
Housing, Water, Electricity, Gas and Other Fuels - PHILS	Multiplicative Model: (0,1,2)(0,1,1) With transformation - none F-value: 5.413 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: (2,1,0)(0,1,1) With transformation - none F-value: 4.278 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.69. 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: 6.452 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.65. Check: M4, M7, M8, M9, M10, and M11

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Furnishings, Household Equipment and Routine Household Maintenance - PHILS	Multiplicative Model: (0,1,2)(0,1,1) With transformation - none F-value: 10.443 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.43. Check: M8, M9, M10 and M11
Furnishings, Household Equipment and Routine Household Maintenance – NCR	Multiplicative Model: (0,1,1)(0,1,1) With transformation – none F-value: 18.012 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.30.
Furnishings, Household Equipment and Routine Household Maintenance – AONCR	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 6.122 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.65. Check: M7, M8, M9, M10, and M11
Health – PHILS	Additive Model: (2,1,2)(0,1,1) With transformation – none F-value: 6.748 MAVS: 3X3 MA MAVTC: 9-term MA	Accepted at the level 0.75. Check: M8, M9, M10, and M11
Health – NCR	Multiplicative Model: (2,1,2)(0,1,1) With transformation - none F-value: 4.262 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.80. Check: M7, M8, M9, M10, and M11
Health – AONCR	Additive Model: (0,1,1)(0,1,1) With transformation - none F-value: 6.083 MAVS: 3X3 MA MAVTC: 9-term MA	Accepted at the level 0.79. Check: M8, M9, M10, and M11

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Series Name/ Geographic Area Covered	Statistical Models/Options	Summary Measures
Transport – Philippines	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 4.550 MAVS: 3X9 MA MAVTC: 9-term MA	Accepted at the level 0.48. Check: M6 and M7
Transport – AONCR	Additive Model: (0,1,1)(0,1,1) With transformation - none F-value: 4.123 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.64. Check: M6, M7, and M10
Education Services - AONCR	Additive Model: (0,1,2)(0,1,1) With transformation - none F-value: 6.869 MAVS: 3X3 MA MAVTC: 9-term MA	Conditionally accepted at the level 0.81. Check: M4, M7, M8, M9, M10, and M11
Restaurants and Accommodation Services - AONCR	Multiplicative Model: (2,1,0)(0,1,1) With transformation - none F-value: 7.595 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.43. 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: 10.914 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.45. 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: 14.746 MAVS: 3X5 MA MAVTC: 9-term MA	Accepted at the level 0.38. Check: M8, M9, M10, and M11

Source: Philippine Statistics Authority