|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Seasonal Adjustment Metadata Template [[1]](#footnote-1) (1/2)**  **GUIDELINES / GLOSSARY** | | | | | | | | | |
| **Group of series:**  **Index of VOLUMES OF HOURS WORKED** | | | | | | | | | |
| **Country / Institution** | | | Italy, Italian National Institute of Statistics (ISTAT) | | | | | | |
| **Contact for SA** | | | vela@istat.it | | | | | | |
| ***General Information*** | | | | | | | | | |
| **Frequency** | | | Quarterly | | | | | | |
| **Published series/**  **relevant series** | | ***Kind of adjustment*** | *NACE nomenclature (number of series)* | | | | | | |
| *B\_E36* | *M\_STS, N\_STS* | *2 digits* | *2 letters* ➀ | *1 letter* ➀ | *MIGs* ➀ | *Total* ➀ |
| *Raw series* | 1 | 2 | 29 | 0 | 7 | 6 | 45 |
| *Only calendar adjusted* | 1 | 0 | 29 | 0 | 7 | 6 | 43 |
| *Other adjustments (e.g. outliers correction)* | 1 | 0 | 10 | 0 | 1 | 5 | 17 |
| *Only seasonally adjusted* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Seasonally and calendar adjusted* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Trend-cycle* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Others* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Method used** | | | RegARIMA | | | | | | |
| **Software used** | | | Tramo Seats | | | | | | |
| **Publications** | | |  | | | | | | |
| ***Calendar Adjustment*** | | | | | | | | | |
| **Trading/working day adjustment**  (both published and confidential series) | | ***Kind of calendar effects*** | *NACE nomenclature* | | | | | | |
| *B\_E36* | *M\_STS, N\_STS* | *2 digits* | *2 letters* | *1 letter* | *MIGs* | *Total* |
| *No effect* | 0 | 2 | 4 | 0 | 2 | 0 | 8 |
| *Trading/working day*  (1 regressor ➂) | 1 | 0 | 25 | 0 | 5 | 6 | 37 |
| *Moving holidays (Easter)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Leap year* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Others* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **No calendar adjustment** | | | 8 series. | | | | | | |
| **Calendar used** | | | National | | | | | | |
| ***Other Pre-Adjustment*** | | | | | | | | | |
| **Detection and replacement of outliers** | | | YES | | | | | | |
| ***Seasonal Adjustment*** | | | | | | | | | |
| **Model/filter selection** | ***Type*** | | *NACE nomenclature* | | | | | | |
| *4 digits* | *3 digits* | *2 digits* | *2 letters* | *1 letter* | *MIGs* | *Total* |
| *Manual* | |  |  |  |  |  |  |  |
| *Automatic* | |  |  |  |  |  |  |  |
| **Seasonal adjustment decomposition** | ***Type*** | |  | | | | | | |
| *Additive* | |  |  |  |  |  |  |  |
| *Log-additive* | |  |  |  |  |  |  |  |
| *Multiplicative* | |  |  |  |  |  |  |  |
| *Other* | |  |  |  |  |  |  |  |
| ***Aggregation*** | | | | | | | | | |
| **Direct adjustment / indirect adjustment via components** | | | Direct adjustment. | | | | | | |
| **Consistency amongst the different levels of breakdown** | | | No constraint is imposed. | | | | | | |
| **Time consistency**  **(monthly/annual or quarterly/annual)** | | | No constraint is imposed. | | | | | | |

|  |  |
| --- | --- |
| **(2/2)** | |
| ***Revisions*** | |
| **Model, filters, outliers, calendar regressors**  **re-identification** | Annual. With the production of the data for the first quarter of the year. |
| **Parameters / factors re-estimation** | Quarterly. |
| **Horizon for published revisions** | Entire series. |
| ***Quality Indicators*** | |
| **Quality measures used** | Residual diagnostics, parameters significance, model stability. |
| ***Availability Of Structural Metadata*** | |
| **Links to methodological reports** | - |
| **Links to national calendar used** | - |
| **Availability of detailed information sufficient to allow users to replicate the process** | Upon request. |

1. Annex *of* [*ESS Guidelines on Seasonal Adjustment*, 2009 edition](http://epp.eurostat.ec.europa.eu/cache/ITY_OFFPUB/KS-RA-09-006/EN/KS-RA-09-006-EN.PDF) [↑](#footnote-ref-1)