Sales Value Forecast-Time Series Forecasting

# Problem & background

Sales Value of a Company from 1-1-1992 is given till 1-5-2020, our job is to project the sales value till mid of 2027

# Solution

Excel gives us tools like FORECAST SHEET and tools like FORECAST.ETS, FORECAST.ETS.CONFINT, FORECAST.ETS.STAT and FORECAST.ETS.SEASONALITY

# Methodology & Project scope

1. We downloaded data set from Kaggle
2. Inserted the data into formulas and forecast sheet

# Goals & KPIs

The goal is to forecast the data with confidence interval of 95%

# Concepts Used

1. Forecast Sheets->Gives a chart with Historical data analysis, forecast along with optional confidence intervals
2. FORECAST.ETS Formulae-> forecasts the data, provide seasonality, and staticitics such alpha,beta etc

# Conclusion

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Timeline** | **Values** | **Forecast** | **Lower Confidence Bound** | **Upper Confidence Bound** |
| 01-01-1992 | 164095 |  |  |  |
| 01-02-1992 | 164213 |  |  |  |
| 01-03-1992 | 163721 |  |  |  |
| 01-04-1992 | 164709 |  |  |  |
| 01-05-1992 | 165612 |  |  |  |
| 01-06-1992 | 166077 |  |  |  |
| 01-07-1992 | 167257 |  |  |  |
| 01-08-1992 | 167800 |  |  |  |
| 01-09-1992 | 169400 |  |  |  |
| 01-10-1992 | 170625 |  |  |  |
| 01-11-1992 | 171003 |  |  |  |
| 01-12-1992 | 173105 |  |  |  |
| 01-01-1993 | 175108 |  |  |  |
| 01-02-1993 | 173744 |  |  |  |
| 01-03-1993 | 172306 |  |  |  |
| 01-04-1993 | 176749 |  |  |  |
| 01-05-1993 | 178426 |  |  |  |
| 01-06-1993 | 178157 |  |  |  |
| 01-07-1993 | 180743 |  |  |  |
| 01-08-1993 | 180707 |  |  |  |
| 01-09-1993 | 181773 |  |  |  |
| 01-10-1993 | 182884 |  |  |  |
| 01-11-1993 | 184747 |  |  |  |
| 01-12-1993 | 186399 |  |  |  |
| 01-01-1994 | 185142 |  |  |  |
| 01-02-1994 | 188074 |  |  |  |
| 01-03-1994 | 191579 |  |  |  |
| 01-04-1994 | 191639 |  |  |  |
| 01-05-1994 | 190929 |  |  |  |
| 01-06-1994 | 193130 |  |  |  |
| 01-07-1994 | 193743 |  |  |  |
| 01-08-1994 | 196163 |  |  |  |
| 01-09-1994 | 197765 |  |  |  |
| 01-10-1994 | 199571 |  |  |  |
| 01-11-1994 | 199731 |  |  |  |
| 01-12-1994 | 200702 |  |  |  |
| 01-01-1995 | 201573 |  |  |  |
| 01-02-1995 | 198399 |  |  |  |
| 01-03-1995 | 200247 |  |  |  |
| 01-04-1995 | 201032 |  |  |  |
| 01-05-1995 | 202986 |  |  |  |
| 01-06-1995 | 205500 |  |  |  |
| 01-07-1995 | 204920 |  |  |  |
| 01-08-1995 | 206521 |  |  |  |
| 01-09-1995 | 207006 |  |  |  |
| 01-10-1995 | 206176 |  |  |  |
| 01-11-1995 | 208664 |  |  |  |
| 01-12-1995 | 210399 |  |  |  |
| 01-01-1996 | 208699 |  |  |  |
| 01-02-1996 | 212008 |  |  |  |
| 01-03-1996 | 213891 |  |  |  |
| 01-04-1996 | 214676 |  |  |  |
| 01-05-1996 | 216299 |  |  |  |
| 01-06-1996 | 216068 |  |  |  |
| 01-07-1996 | 216332 |  |  |  |
| 01-08-1996 | 216358 |  |  |  |
| 01-09-1996 | 219256 |  |  |  |
| 01-10-1996 | 221060 |  |  |  |
| 01-11-1996 | 220963 |  |  |  |
| 01-12-1996 | 221991 |  |  |  |
| 01-01-1997 | 223481 |  |  |  |
| 01-02-1997 | 225422 |  |  |  |
| 01-03-1997 | 226161 |  |  |  |
| 01-04-1997 | 224615 |  |  |  |
| 01-05-1997 | 222929 |  |  |  |
| 01-06-1997 | 226057 |  |  |  |
| 01-07-1997 | 228703 |  |  |  |
| 01-08-1997 | 229309 |  |  |  |
| 01-09-1997 | 230312 |  |  |  |
| 01-10-1997 | 229836 |  |  |  |
| 01-11-1997 | 230440 |  |  |  |
| 01-12-1997 | 231181 |  |  |  |
| 01-01-1998 | 231587 |  |  |  |
| 01-02-1998 | 231684 |  |  |  |
| 01-03-1998 | 233083 |  |  |  |
| 01-04-1998 | 235986 |  |  |  |
| 01-05-1998 | 237075 |  |  |  |
| 01-06-1998 | 238971 |  |  |  |
| 01-07-1998 | 237411 |  |  |  |
| 01-08-1998 | 236379 |  |  |  |
| 01-09-1998 | 238550 |  |  |  |
| 01-10-1998 | 242549 |  |  |  |
| 01-11-1998 | 244291 |  |  |  |
| 01-12-1998 | 246530 |  |  |  |
| 01-01-1999 | 246868 |  |  |  |
| 01-02-1999 | 249520 |  |  |  |
| 01-03-1999 | 250667 |  |  |  |
| 01-04-1999 | 252477 |  |  |  |
| 01-05-1999 | 254735 |  |  |  |
| 01-06-1999 | 255449 |  |  |  |
| 01-07-1999 | 257456 |  |  |  |
| 01-08-1999 | 260230 |  |  |  |
| 01-09-1999 | 261317 |  |  |  |
| 01-10-1999 | 261818 |  |  |  |
| 01-11-1999 | 264965 |  |  |  |
| 01-12-1999 | 269863 |  |  |  |
| 01-01-2000 | 268044 |  |  |  |
| 01-02-2000 | 272020 |  |  |  |
| 01-03-2000 | 275192 |  |  |  |
| 01-04-2000 | 271046 |  |  |  |
| 01-05-2000 | 271394 |  |  |  |
| 01-06-2000 | 273422 |  |  |  |
| 01-07-2000 | 272630 |  |  |  |
| 01-08-2000 | 272918 |  |  |  |
| 01-09-2000 | 277548 |  |  |  |
| 01-10-2000 | 276927 |  |  |  |
| 01-11-2000 | 276029 |  |  |  |
| 01-12-2000 | 275791 |  |  |  |
| 01-01-2001 | 278834 |  |  |  |
| 01-02-2001 | 278773 |  |  |  |
| 01-03-2001 | 276450 |  |  |  |
| 01-04-2001 | 280808 |  |  |  |
| 01-05-2001 | 281496 |  |  |  |
| 01-06-2001 | 280401 |  |  |  |
| 01-07-2001 | 279504 |  |  |  |
| 01-08-2001 | 281413 |  |  |  |
| 01-09-2001 | 276084 |  |  |  |
| 01-10-2001 | 294540 |  |  |  |
| 01-11-2001 | 287111 |  |  |  |
| 01-12-2001 | 283705 |  |  |  |
| 01-01-2002 | 283508 |  |  |  |
| 01-02-2002 | 285054 |  |  |  |
| 01-03-2002 | 284262 |  |  |  |
| 01-04-2002 | 288833 |  |  |  |
| 01-05-2002 | 284951 |  |  |  |
| 01-06-2002 | 287372 |  |  |  |
| 01-07-2002 | 290385 |  |  |  |
| 01-08-2002 | 292650 |  |  |  |
| 01-09-2002 | 288410 |  |  |  |
| 01-10-2002 | 289576 |  |  |  |
| 01-11-2002 | 291484 |  |  |  |
| 01-12-2002 | 293947 |  |  |  |
| 01-01-2003 | 295248 |  |  |  |
| 01-02-2003 | 291167 |  |  |  |
| 01-03-2003 | 296325 |  |  |  |
| 01-04-2003 | 295600 |  |  |  |
| 01-05-2003 | 296410 |  |  |  |
| 01-06-2003 | 299626 |  |  |  |
| 01-07-2003 | 302747 |  |  |  |
| 01-08-2003 | 307809 |  |  |  |
| 01-09-2003 | 305933 |  |  |  |
| 01-10-2003 | 304809 |  |  |  |
| 01-11-2003 | 308527 |  |  |  |
| 01-12-2003 | 307407 |  |  |  |
| 01-01-2004 | 309254 |  |  |  |
| 01-02-2004 | 311393 |  |  |  |
| 01-03-2004 | 316912 |  |  |  |
| 01-04-2004 | 313512 |  |  |  |
| 01-05-2004 | 318964 |  |  |  |
| 01-06-2004 | 314958 |  |  |  |
| 01-07-2004 | 318549 |  |  |  |
| 01-08-2004 | 318977 |  |  |  |
| 01-09-2004 | 324569 |  |  |  |
| 01-10-2004 | 326740 |  |  |  |
| 01-11-2004 | 327836 |  |  |  |
| 01-12-2004 | 331874 |  |  |  |
| 01-01-2005 | 328696 |  |  |  |
| 01-02-2005 | 333026 |  |  |  |
| 01-03-2005 | 333581 |  |  |  |
| 01-04-2005 | 336583 |  |  |  |
| 01-05-2005 | 334522 |  |  |  |
| 01-06-2005 | 343998 |  |  |  |
| 01-07-2005 | 346576 |  |  |  |
| 01-08-2005 | 343307 |  |  |  |
| 01-09-2005 | 343956 |  |  |  |
| 01-10-2005 | 344097 |  |  |  |
| 01-11-2005 | 347325 |  |  |  |
| 01-12-2005 | 347405 |  |  |  |
| 01-01-2006 | 357331 |  |  |  |
| 01-02-2006 | 354706 |  |  |  |
| 01-03-2006 | 355665 |  |  |  |
| 01-04-2006 | 357423 |  |  |  |
| 01-05-2006 | 356704 |  |  |  |
| 01-06-2006 | 357879 |  |  |  |
| 01-07-2006 | 359006 |  |  |  |
| 01-08-2006 | 360691 |  |  |  |
| 01-09-2006 | 358961 |  |  |  |
| 01-10-2006 | 358462 |  |  |  |
| 01-11-2006 | 359266 |  |  |  |
| 01-12-2006 | 363730 |  |  |  |
| 01-01-2007 | 363616 |  |  |  |
| 01-02-2007 | 364006 |  |  |  |
| 01-03-2007 | 367158 |  |  |  |
| 01-04-2007 | 366187 |  |  |  |
| 01-05-2007 | 370934 |  |  |  |
| 01-06-2007 | 368154 |  |  |  |
| 01-07-2007 | 369614 |  |  |  |
| 01-08-2007 | 371358 |  |  |  |
| 01-09-2007 | 372869 |  |  |  |
| 01-10-2007 | 375289 |  |  |  |
| 01-11-2007 | 378860 |  |  |  |
| 01-12-2007 | 374298 |  |  |  |
| 01-01-2008 | 375236 |  |  |  |
| 01-02-2008 | 371833 |  |  |  |
| 01-03-2008 | 372745 |  |  |  |
| 01-04-2008 | 372572 |  |  |  |
| 01-05-2008 | 376036 |  |  |  |
| 01-06-2008 | 376455 |  |  |  |
| 01-07-2008 | 375038 |  |  |  |
| 01-08-2008 | 372284 |  |  |  |
| 01-09-2008 | 366729 |  |  |  |
| 01-10-2008 | 352950 |  |  |  |
| 01-11-2008 | 339350 |  |  |  |
| 01-12-2008 | 332091 |  |  |  |
| 01-01-2009 | 336929 |  |  |  |
| 01-02-2009 | 335576 |  |  |  |
| 01-03-2009 | 329747 |  |  |  |
| 01-04-2009 | 331352 |  |  |  |
| 01-05-2009 | 334256 |  |  |  |
| 01-06-2009 | 339883 |  |  |  |
| 01-07-2009 | 340517 |  |  |  |
| 01-08-2009 | 346668 |  |  |  |
| 01-09-2009 | 338507 |  |  |  |
| 01-10-2009 | 341654 |  |  |  |
| 01-11-2009 | 344375 |  |  |  |
| 01-12-2009 | 346072 |  |  |  |
| 01-01-2010 | 346189 |  |  |  |
| 01-02-2010 | 346787 |  |  |  |
| 01-03-2010 | 354608 |  |  |  |
| 01-04-2010 | 357270 |  |  |  |
| 01-05-2010 | 354015 |  |  |  |
| 01-06-2010 | 354127 |  |  |  |
| 01-07-2010 | 354579 |  |  |  |
| 01-08-2010 | 356747 |  |  |  |
| 01-09-2010 | 359299 |  |  |  |
| 01-10-2010 | 363522 |  |  |  |
| 01-11-2010 | 367345 |  |  |  |
| 01-12-2010 | 369249 |  |  |  |
| 01-01-2011 | 371798 |  |  |  |
| 01-02-2011 | 375056 |  |  |  |
| 01-03-2011 | 378471 |  |  |  |
| 01-04-2011 | 380773 |  |  |  |
| 01-05-2011 | 380282 |  |  |  |
| 01-06-2011 | 383197 |  |  |  |
| 01-07-2011 | 382790 |  |  |  |
| 01-08-2011 | 383946 |  |  |  |
| 01-09-2011 | 387709 |  |  |  |
| 01-10-2011 | 389921 |  |  |  |
| 01-11-2011 | 391589 |  |  |  |
| 01-12-2011 | 391837 |  |  |  |
| 01-01-2012 | 395376 |  |  |  |
| 01-02-2012 | 400228 |  |  |  |
| 01-03-2012 | 401804 |  |  |  |
| 01-04-2012 | 399915 |  |  |  |
| 01-05-2012 | 399363 |  |  |  |
| 01-06-2012 | 396140 |  |  |  |
| 01-07-2012 | 397458 |  |  |  |
| 01-08-2012 | 402152 |  |  |  |
| 01-09-2012 | 405366 |  |  |  |
| 01-10-2012 | 405925 |  |  |  |
| 01-11-2012 | 407580 |  |  |  |
| 01-12-2012 | 408793 |  |  |  |
| 01-01-2013 | 412238 |  |  |  |
| 01-02-2013 | 417250 |  |  |  |
| 01-03-2013 | 414217 |  |  |  |
| 01-04-2013 | 412268 |  |  |  |
| 01-05-2013 | 414137 |  |  |  |
| 01-06-2013 | 415642 |  |  |  |
| 01-07-2013 | 418458 |  |  |  |
| 01-08-2013 | 417547 |  |  |  |
| 01-09-2013 | 417421 |  |  |  |
| 01-10-2013 | 419276 |  |  |  |
| 01-11-2013 | 420556 |  |  |  |
| 01-12-2013 | 422886 |  |  |  |
| 01-01-2014 | 418524 |  |  |  |
| 01-02-2014 | 424674 |  |  |  |
| 01-03-2014 | 429134 |  |  |  |
| 01-04-2014 | 433648 |  |  |  |
| 01-05-2014 | 434351 |  |  |  |
| 01-06-2014 | 435430 |  |  |  |
| 01-07-2014 | 436137 |  |  |  |
| 01-08-2014 | 439650 |  |  |  |
| 01-09-2014 | 438707 |  |  |  |
| 01-10-2014 | 439889 |  |  |  |
| 01-11-2014 | 441277 |  |  |  |
| 01-12-2014 | 438800 |  |  |  |
| 01-01-2015 | 436110 |  |  |  |
| 01-02-2015 | 435340 |  |  |  |
| 01-03-2015 | 441880 |  |  |  |
| 01-04-2015 | 442600 |  |  |  |
| 01-05-2015 | 446206 |  |  |  |
| 01-06-2015 | 446898 |  |  |  |
| 01-07-2015 | 449767 |  |  |  |
| 01-08-2015 | 449975 |  |  |  |
| 01-09-2015 | 448739 |  |  |  |
| 01-10-2015 | 447496 |  |  |  |
| 01-11-2015 | 449242 |  |  |  |
| 01-12-2015 | 450978 |  |  |  |
| 01-01-2016 | 448325 |  |  |  |
| 01-02-2016 | 452555 |  |  |  |
| 01-03-2016 | 451132 |  |  |  |
| 01-04-2016 | 453034 |  |  |  |
| 01-05-2016 | 454683 |  |  |  |
| 01-06-2016 | 459088 |  |  |  |
| 01-07-2016 | 458579 |  |  |  |
| 01-08-2016 | 459022 |  |  |  |
| 01-09-2016 | 461893 |  |  |  |
| 01-10-2016 | 463240 |  |  |  |
| 01-11-2016 | 462994 |  |  |  |
| 01-12-2016 | 468076 |  |  |  |
| 01-01-2017 | 473832 |  |  |  |
| 01-02-2017 | 473582 |  |  |  |
| 01-03-2017 | 472693 |  |  |  |
| 01-04-2017 | 475335 |  |  |  |
| 01-05-2017 | 473242 |  |  |  |
| 01-06-2017 | 474798 |  |  |  |
| 01-07-2017 | 475045 |  |  |  |
| 01-08-2017 | 475653 |  |  |  |
| 01-09-2017 | 486056 |  |  |  |
| 01-10-2017 | 486635 |  |  |  |
| 01-11-2017 | 490648 |  |  |  |
| 01-12-2017 | 492996 |  |  |  |
| 01-01-2018 | 492600 |  |  |  |
| 01-02-2018 | 494815 |  |  |  |
| 01-03-2018 | 494747 |  |  |  |
| 01-04-2018 | 495967 |  |  |  |
| 01-05-2018 | 502351 |  |  |  |
| 01-06-2018 | 501133 |  |  |  |
| 01-07-2018 | 503834 |  |  |  |
| 01-08-2018 | 502875 |  |  |  |
| 01-09-2018 | 502407 |  |  |  |
| 01-10-2018 | 508036 |  |  |  |
| 01-11-2018 | 508471 |  |  |  |
| 01-12-2018 | 497541 |  |  |  |
| 01-01-2019 | 505036 |  |  |  |
| 01-02-2019 | 504686 |  |  |  |
| 01-03-2019 | 512602 |  |  |  |
| 01-04-2019 | 515088 |  |  |  |
| 01-05-2019 | 516965 |  |  |  |
| 01-06-2019 | 519205 |  |  |  |
| 01-07-2019 | 522198 |  |  |  |
| 01-08-2019 | 524547 |  |  |  |
| 01-09-2019 | 522261 |  |  |  |
| 01-10-2019 | 524853 |  |  |  |
| 01-11-2019 | 525014 |  |  |  |
| 01-12-2019 | 525467 |  |  |  |
| 01-01-2020 | 529616 |  |  |  |
| 01-02-2020 | 527273 |  |  |  |
| 01-03-2020 | 483949 |  |  |  |
| 01-04-2020 | 412766 |  |  |  |
| 01-05-2020 | 487708 | 487708 | 487708.00 | 487708.00 |
| 01-06-2020 |  | 482053.53 | 468869.76 | 495237.31 |
| 01-07-2020 |  | 483035.31 | 465289.53 | 500781.08 |
| 01-08-2020 |  | 484017.08 | 462655.28 | 505378.88 |
| 01-09-2020 |  | 484998.85 | 460543.70 | 509454.00 |
| 01-10-2020 |  | 485980.63 | 458775.92 | 513185.33 |
| 01-11-2020 |  | 486962.4 | 457256.30 | 516668.50 |
| 01-12-2020 |  | 487944.17 | 455926.62 | 519961.72 |
| 01-01-2021 |  | 488925.94 | 454748.33 | 523103.56 |
| 01-02-2021 |  | 489907.72 | 453694.30 | 526121.13 |
| 01-03-2021 |  | 490889.49 | 452744.65 | 529034.33 |
| 01-04-2021 |  | 491871.26 | 451884.24 | 531858.29 |
| 01-05-2021 |  | 492853.04 | 451101.24 | 534604.83 |
| 01-06-2021 |  | 493834.81 | 450386.23 | 537283.39 |
| 01-07-2021 |  | 494816.58 | 449731.51 | 539901.65 |
| 01-08-2021 |  | 495798.35 | 449130.75 | 542465.96 |
| 01-09-2021 |  | 496780.13 | 448578.62 | 544981.63 |
| 01-10-2021 |  | 497761.9 | 448070.63 | 547453.18 |
| 01-11-2021 |  | 498743.67 | 447602.89 | 549884.45 |
| 01-12-2021 |  | 499725.45 | 447172.09 | 552278.80 |
| 01-01-2022 |  | 500707.22 | 446775.32 | 554639.12 |
| 01-02-2022 |  | 501688.99 | 446410.03 | 556967.96 |
| 01-03-2022 |  | 502670.77 | 446073.96 | 559267.57 |
| 01-04-2022 |  | 503652.54 | 445765.12 | 561539.95 |
| 01-05-2022 |  | 504634.31 | 445481.73 | 563786.90 |
| 01-06-2022 |  | 505616.08 | 445222.17 | 566010.00 |
| 01-07-2022 |  | 506597.86 | 444985.01 | 568210.70 |
| 01-08-2022 |  | 507579.63 | 444768.95 | 570390.31 |
| 01-09-2022 |  | 508561.4 | 444572.78 | 572550.02 |
| 01-10-2022 |  | 509543.18 | 444395.44 | 574690.91 |
| 01-11-2022 |  | 510524.95 | 444235.93 | 576813.97 |
| 01-12-2022 |  | 511506.72 | 444093.34 | 578920.11 |
| 01-01-2023 |  | 512488.5 | 443966.84 | 581010.15 |
| 01-02-2023 |  | 513470.27 | 443855.65 | 583084.88 |
| 01-03-2023 |  | 514452.04 | 443759.07 | 585145.01 |
| 01-04-2023 |  | 515433.81 | 443676.43 | 587191.20 |
| 01-05-2023 |  | 516415.59 | 443607.12 | 589224.05 |
| 01-06-2023 |  | 517397.36 | 443550.57 | 591244.15 |
| 01-07-2023 |  | 518379.13 | 443506.24 | 593252.02 |
| 01-08-2023 |  | 519360.91 | 443473.64 | 595248.17 |
| 01-09-2023 |  | 520342.68 | 443452.30 | 597233.06 |
| 01-10-2023 |  | 521324.45 | 443441.78 | 599207.13 |
| 01-11-2023 |  | 522306.23 | 443441.67 | 601170.78 |
| 01-12-2023 |  | 523288 | 443451.59 | 603124.41 |
| 01-01-2024 |  | 524269.77 | 443471.17 | 605068.38 |
| 01-02-2024 |  | 525251.54 | 443500.06 | 607003.02 |
| 01-03-2024 |  | 526233.32 | 443537.96 | 608928.68 |
| 01-04-2024 |  | 527215.09 | 443584.53 | 610845.65 |
| 01-05-2024 |  | 528196.86 | 443639.51 | 612754.22 |
| 01-06-2024 |  | 529178.64 | 443702.61 | 614654.66 |
| 01-07-2024 |  | 530160.41 | 443773.57 | 616547.25 |
| 01-08-2024 |  | 531142.18 | 443852.14 | 618432.23 |
| 01-09-2024 |  | 532123.95 | 443938.09 | 620309.82 |
| 01-10-2024 |  | 533105.73 | 444031.19 | 622180.27 |
| 01-11-2024 |  | 534087.5 | 444131.23 | 624043.77 |
| 01-12-2024 |  | 535069.27 | 444238.00 | 625900.55 |
| 01-01-2025 |  | 536051.05 | 444351.31 | 627750.78 |
| 01-02-2025 |  | 537032.82 | 444470.98 | 629594.66 |
| 01-03-2025 |  | 538014.59 | 444596.83 | 631432.36 |
| 01-04-2025 |  | 538996.37 | 444728.67 | 633264.06 |
| 01-05-2025 |  | 539978.14 | 444866.37 | 635089.91 |
| 01-06-2025 |  | 540959.91 | 445009.75 | 636910.08 |
| 01-07-2025 |  | 541941.68 | 445158.66 | 638724.70 |
| 01-08-2025 |  | 542923.46 | 445312.98 | 640533.94 |
| 01-09-2025 |  | 543905.23 | 445472.54 | 642337.92 |
| 01-10-2025 |  | 544887 | 445637.24 | 644136.77 |
| 01-11-2025 |  | 545868.78 | 445806.92 | 645930.63 |
| 01-12-2025 |  | 546850.55 | 445981.49 | 647719.61 |
| 01-01-2026 |  | 547832.32 | 446160.80 | 649503.84 |
| 01-02-2026 |  | 548814.1 | 446344.77 | 651283.43 |
| 01-03-2026 |  | 549795.87 | 446533.26 | 653058.48 |
| 01-04-2026 |  | 550777.64 | 446726.18 | 654829.10 |
| 01-05-2026 |  | 551759.41 | 446923.43 | 656595.39 |
| 01-06-2026 |  | 552741.19 | 447124.91 | 658357.46 |
| 01-07-2026 |  | 553722.96 | 447330.53 | 660115.39 |
| 01-08-2026 |  | 554704.73 | 447540.18 | 661869.29 |
| 01-09-2026 |  | 555686.51 | 447753.79 | 663619.22 |
| 01-10-2026 |  | 556668.28 | 447971.27 | 665365.29 |
| 01-11-2026 |  | 557650.05 | 448192.53 | 667107.57 |
| 01-12-2026 |  | 558631.83 | 448417.50 | 668846.15 |
| 01-01-2027 |  | 559613.6 | 448646.10 | 670581.09 |
| 01-02-2027 |  | 560595.37 | 448878.25 | 672312.49 |
| 01-03-2027 |  | 561577.14 | 449113.89 | 674040.40 |
| 01-04-2027 |  | 562558.92 | 449352.93 | 675764.90 |
| 01-05-2027 |  | 563540.69 | 449595.32 | 677486.06 |
| 01-06-2027 |  | 564522.46 | 449840.98 | 679203.94 |
| 01-07-2027 |  | 565504.24 | 450089.86 | 680918.61 |

|  |  |
| --- | --- |
| **Statistic** | **Value** |
| Alpha | 0.90 |
| Beta | 0.00 |
| Gamma | 0.00 |
| MASE | 2.06 |
| SMAPE | 0.01 |
| MAE | 4,815.77 |
| RMSE | 13,668.48 |
| Seasonality | 0.00 |

We were able to forecast the data

# Project owner

Name: Shreshth Vashisht

Date: 25th February 2023