Abdul Haq

Curriculum Vitae

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Education

2014	DPhil	–	Statistics	University of Canterbury (UoC), Christchurch, New Zealand.
2010	MPhil	–	Statistics	Quaid-i-Azam University (QAU), Islamabad, Pakistan.
2007	MSc	–	Statistics	QAU, Islamabad, Pakistan.
2005	BSc	–	Math, Stat, Eco	University of the Punjab, Lahore, Pakistan.

Employment

Chairperson	July (31st) 2024 to date	Department of Statistics (DoS), QAU, Islamabad, Pakistan.
Assoc. Prof.	Sep (23rd) 2021 to date	DoS, QAU, Islamabad, Pakistan.
Asst. Prof.	Jan 2015 to Sep 2021	DoS, QAU, Islamabad, Pakistan.
Lecturer	Oct 2014 to Dec 2014	DoS, QAU, Islamabad, Pakistan.
Lecturer	Sep 2010 to Sep 2012	DoS, QAU, Islamabad, Pakistan.
Lecturer	Jan 2010 to Jul 2010	Department of Sciences and Humanities, NU-FAST, Islamabad-Campus, Pakistan.
Trainee	Aug 2007 to Dec 2007	Higher Education Commission, Islamabad, Pakistan.

Award, Distinction, Fellowship, and Scholarship

2019-23	Ranked among the top two percent researchers in a global list compiled at the Stanford University. https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3
2018	Senior Adjunct Fellow (six years), School of Mathematics and Statistics, UoC, Christchurch, New Zealand.
2017	Research Productivity Award, Pakistan Council for Science and Technology.
2012	Three years: UoC International Doctoral Scholarship, New Zealand.
2010	Chancellor Medal (MPhil Statistics): First Position in the DoS, and Second Position in the Faculty of Natural Sciences, QAU, Islamabad, Pakistan.
2007	Second Position (MSc Statistics) in the DoS, QAU, Islamabad, Pakistan.
2005	Two years: Talent Forming Scheme, Higher Education Commission, Islamabad, Pakistan.
2005	Shield: Third Position in BSc, FG Sir Syed College, The Mall, Rawalpindi, Pakistan.

Computer Skill

Mathematica, R, Julia, LaTeX.

Course Taught

Level	Title
BS	Probability & Statistics, Basic Statistical Inference.
BS/MSc	Probability & Probability Distributions–II, Statistical Inference I & II, Bayesian Statistics, Experimental Designs–II, Statistical Packages, Sampling Techniques-I.
MPhil/DPhil	Estimation Theory, Hypothesis Testing, Bayesian Inference, Recent Developments in Statistics, Advanced Topics in Design of Experiments.

Research Interest

Statistical Process Monitoring; Survey Sampling; Order Statistics.

MPhil Thesis Supervised

28. G. Zainab (2024). New weighted adaptive CUSUM charts for monitoring the process variance.

27. M. Naz (2023). Single and dual reference-free cumulative-score charts for detecting unknown patterned mean shifts.
26. U. Kalsoom (2022). New EWMA charts for monitoring the variance of a normal process.
25. R. Riasat (2022). New EWMA t charts for monitoring the process mean.
24. Q. Ali (2022). Joint monitoring of the process mean and variance with maximum dual CUSUM chart.
23. S. Iqbal (2022). Novel EWMA mean charts with a Brownian statistic.
22. A. A. Abbasi (2021). Weighted adaptive CUSUM charts for monitoring the generalized variance of a bivariate process.
21. H. Sadia (2021). An adaptive EWMA chart with variable sample size and variable sampling interval for the process mean.
20. K. Sohrab (2021). Directionally sensitive MCUSUM mean charts.
19. M. Abbas (2021). Estimation of finite population distribution function in two-stage and three-stage cluster sampling.
18. M. Usman (2021). Estimation of finite population variance in stratified random sampling.
17. E. A. Syed (2021). New CUSUM and dual CUSUM charts for monitoring the process mean.
16. S. Akhtar (2020). Auxiliary-information-based memory-type control charts with variable sampling intervals for monitoring the process parameters.
15. N. Bibi (2020). Enhanced EWMA control charts for monitoring the coefficient of variation.
14. S. Ejaz (2020). Double EWMA-t control charts for monitoring the process mean.
13. M. Bibi (2020). Profile monitoring with individual observations.
12. F. Razzaq (2019). Weighted adaptive CUSUM charts for monitoring process mean and variance.
11. T. Munir (2019). Dual multivariate CUSUM control charts for monitoring process mean.
10. S. Hussain (2019). Estimation of finite population distribution function with dual use of auxiliary information.
9. L. Bibi (2018). Improved dual CUSUM control charts for monitoring process mean.
8. Z. U. Abidin (2018). Memory-type control charts for monitoring process mean using auxiliary information.
7. I. Hussain (2018). Estimation of population mean with dual use of auxiliary information.
6. M. Anwar (2018). Bayesian inference using record values from inverted probability distributions.
5. S. Abbasi (2018). New adaptive CUSUM control charts for monitoring process mean.
4. R. Gulzar (2017). New adaptive EWMA control charts.
3. W. Munir (2017). New cumulative sum control charts for monitoring process mean and process dispersion.
2. R. Ali (2017). Memory-type control charts for monitoring process mean and process dispersion.
1. M. Awais (2017). Quality control charts for monitoring process mean using varied L ranked set sampling.

ISI Research Publication

158. **Haq, A.** & Woodall, W.H. (2025). A critique of neutrosophic statistical analysis illustrated with interval data from designed experiments. Journal of Quality Technology, in press. https://doi.org/10.1080/00224065.2025.2509618

157. **Haq, A.** & Khoo, M.B.C. (2025). Weighted adaptive CUSUM mean chart with variable sample size and sampling interval. Communications in Statistics - Simulation and Computation, 54(5), 1481-1499. https://doi.org/10.1080/03610918.2023.2286923

156. **Haq, A.** (2025). A critical note on the partitioned weighted moving average control chart. Quality and Reliability Engineering International, early view. https://doi.org/10.1002/qre.3766

155. **Haq, A.** (2025). The misguided adaptive EWMA chart. Quality and Reliability Engineering International, early view. http://doi.org/10.1002/qre.3765

154. Saleh, N.A., Mahmoud, M.A., **Haq, A.**, & Woodall, W.H. (2025). A critical reevaluation of the resubmission-based control chart. Communications in Statistics - Theory and Methods, early view. https://doi.org/10.1080/03610926.2025.2476024

153. **Haq, A.** (2025). Design of the EWMA charts for simultaneously monitoring mean and variance using the conditional false alarm rate. Quality Engineering, early view. https://doi.org/10.1080/08982112.2025.2455739

152. **Haq, A.**, Woodall, W.H. & Steiner, S.H. (2025). A study of attribute control charts for censored lifetime data. Quality Engineering, 37(2), 247-256. https://doi.org/10.1080/08982112.2024.2375612

151. Mahwish, R. & **Haq, A.** (2025). A weighted dual cumulative sum chart for monitoring the process mean. Quality and Reliability Engineering International, 41(1), 361-376. https://doi.org/10.1002/qre.3663

150. **Haq, A.** (2025). Evaluating multivariate charts: A first-to-signal criterion approach. Quality and Reliability Engineering International, 41(1), 464-478. https://doi.org/10.1002/qre.3669

149. Batool, Z. & **Haq, A.** (2025). An adaptive EWMA chart for Poisson process. Quality Technology & Quantitative Management, 22(1), 55–70. https://doi.org/10.1080/16843703.2024.2304958

148. **Haq, A.** (2024). Adaptive EWMA and CUSUM charts with dynamic probability control limits. Communications in Statistics - Simulation and Computation, early view. https://doi.org/10.1080/03610918.2024.2417819

147. **Haq, A.** & Woodall, W.H. (2024). A critical note on the exponentiated EWMA chart. Statistical Papers, early view. https://doi.org/10.1007/s00362-024-01601-w

146. **Haq, A.** & Woodall, W.H. (2024). A critique on the use of the belief statistic for process monitoring. Quality and Reliability Engineering International, 40(6), 3381–3386. Impact Factor 2.2. https://doi.org/10.1002/qre.3573

145. **Haq, A.** (2024). An adaptive EWMA mean chart in the presence of outliers. Quality Technology & Quantitative Management, 21(6), 926-941. Impact Factor 2.3. https://doi.org/10.1080/16843703.2023.2257988

144. Munir, W. & **Haq, A.** (2024). New CUSUM and EWMA charts with simple post signal diagnostics for two-parameter exponential distribution. Quality and Reliability Engineering International, 40(8), 4394–4413. Impact Factor 2.2. https://doi.org/10.1002/qre.3636

143. **Haq, A.** & Woodall, W.H. (2024). Extended GWMA control charts: A critical evaluation. Quality and Reliability Engineering International, 40(7), 4104–4110. Impact Factor 2.2. https://doi.org/10.1002/qre.3624

142. **Haq, A.** & Khoo, M.B.C. (2024). Directionally sensitive adaptive MEWMA charts with fixed and variable sampling rates. Quality and Reliability Engineering International, 40(5), 2695–2709. Impact Factor 2.2. https://doi.org/10.1002/qre.3543

141. **Haq, A.** (2024). A new sampling scheme for an improved monitoring of the process mean. Measurement: Interdisciplinary Research and Perspectives, 22(3), 268–279. Impact Factor 0.6. https://doi.org/10.1080/15366367.2023.2257902

140. **Haq, A.**, Usman, M., & Khan, M. (2024). Estimation of finite population variance under stratified sampling in the presence of measurement errors. Measurement: Interdisciplinary Research and Perspectives, 22(3), 219–234. Impact Factor 0.6. https://doi.org/10.1080/15366367.2023.2247618

139. **Haq, A.** & Khoo, M.B.C. (2024). Enhanced memory-type charts for monitoring the ratio of two normal random variables. Communications in Statistics - Simulation and Computation, 53(6), 2898–2916. Impact Factor 0.8. https://doi.org/10.1080/03610918.2022.2092142

138. **Haq, A.** & Khoo, M.B.C. (2024). A near-optimal CUSUM-t chart. Quality and Reliability Engineering International, 40(4), 2116–2121. Impact Factor 2.2. https://doi.org/10.1002/qre.3516

137. **Haq, A.** & Khoo, M.B.C. (2024). Paired individual CUSUM charts for monitoring Gumbel's bivariate exponential data. Lobachevskii Journal of Mathematics, 45(4), 1589–1600. Impact Factor 0.8. https://doi.org/10.1134/S1995080224600444

136. **Haq, A.** (2024). Dynamic probability control limits for the adaptive multivariate EWMA chart. Quality and Reliability Engineering International, 40(4), 2067–2077. Impact Factor 2.2. https://doi.org/10.1002/qre.3509

135. **Haq, A.** & Ali, Q. (2024). A maximum dual CUSUM chart for joint monitoring of process mean and variance. Quality Technology & Quantitative Management, 21(3), 287–308. Impact Factor 2.3. https://doi.org/10.1080/16843703.2023.2193769

134. Woodall, W. H., **Haq, A.**, Mahmoud, M.A., & Saleh, N.A. (2024). Reevaluating the performance of control charts based on ranked-set sampling. Quality Engineering, 36(2), 365–370. Impact Factor 1.3. https://doi.org/10.1080/08982112.2023.2212751

133. **Haq, A.** (2024). Beyond the EWMA chart: critiquing hybrid approaches. Quality and Reliability Engineering International, 40(3), 1361–1368. Impact Factor 2.2. https://doi.org/10.1002/qre.3471

132. **Haq, A.** (2024). A critical note on memory-type charts with the Brownian statistic. Quality and Reliability Engineering International, 40(3), 1302–1310. Impact Factor 2.2. https://doi.org/10.1002/qre.3467

131. **Haq, A.** & Woodall, W.H. (2024). Effect of estimation error on the conditional false alarm rate design of the EWMA chart. Quality and Reliability Engineering International, 40(3), 1334–1340. Impact Factor 2.2. https://doi.org/10.1002/qre.3469

130. **Haq, A.** (2024). An EWMA sign chart for monitoring processes with fixed and variable sample sizes. Stat, 13(1), e652. Impact Factor 0.7. http://dx.doi.org/10.1002/sta4.652

129. **Haq, A.**, Naz, M., & Khoo, M.B.C. (2024). Single and dual reference-free CUSCORE charts for detecting unknown patterned mean shifts. Journal of Statistical Computation and Simulation, 94(3), 484–498. Impact Factor 1.1. https://doi.org/10.1080/00949655.2023.2259536

128. Lee, M.H., Tan, V.M., **Haq, A.**, Khoo, M.B.C., Chew, X.Y., & Teoh, W.L. (2024). The multivariate exponentially weighted moving average chart for monitoring short production runs. Communications in Statistics - Simulation and Computation, 53(7), 3554–3569. Impact Factor 0.8. https://doi.org/10.1080/03610918.2022.2108054

127. **Haq, A.** & Syed, E.A. (2024). Enhanced CUSUM and dual CUSUM mean charts. Communications in Statistics - Theory and Methods, 53(6), 1906-1941. Impact Factor 0.6. https://doi.org/10.1080/03610926.2022.2116285

126. Lee, M.H., Khoo, M.B.C., **Haq, A.**, & Chew, W.Y. (2023). Economic-statistical design of the variable sampling interval Poisson EWMA chart. Communications in Statistics - Simulation and Computation, 52(5), 2139–2150. Impact Factor 0.8. https://doi.org/10.1080/03610918.2021.1898637

125. **Haq, A.** & Woodall, W.H. (2023). A critique of the use of modified and moving average-based EWMA control charts. Quality and Reliability Engineering International, 39(4), 1269–1276. Impact Factor 2.2. https://doi.org/10.1002/qre.3290

124. **Haq, A.** & Abbasi, A.A. (2023). New weighted adaptive CUSUM charts for monitoring the generalized variance of a bivariate normal process. Journal of Statistical Computation and Simulation, 93(4), 604–633. Impact Factor 1.1. https://doi.org/10.1080/00949655.2022.2115042

123. **Haq, A.**, Abbas, M., & Khan, M. (2023). Estimation of finite population distribution function in a complex survey sampling. Communications in Statistics - Theory and Methods, 52(8), 2574–2596. Impact Factor 0.6. https://doi.org/10.1080/03610926.2021.1955386

122. **Haq, A.** & Khoo, M.B.C. (2023). A near-optimal CUSUM-CV chart. Quality and Reliability Engineering International, 39(6), 2659–2666. Impact Factor 2.2. https://doi.org/10.1002/qre.3340

121. **Haq, A.** & Woodall, W.H. (2023). A misuse of the EWMA-type statistic in acceptance sampling applications. Quality and Reliability Engineering International, 39(1), 320–327. Impact Factor 2.2. https://doi.org/10.1002/qre.3240

120. **Haq, A.**, Usman, M., & Khan, M. (2023). Estimation of finite population variance under stratified random sampling. Communications in Statistics - Simulation and Computation, 52(12), 6193–6209. Impact Factor 0.8. https://doi.org/10.1080/03610918.2021.2009866

119. **Haq, A.** (2023). An EWMA mean chart with auxiliary information. Quality and Reliability Engineering International, 39(3), 971–981. Impact Factor 2.2. https://doi.org/10.1002/qre.3274

118. **Haq, A.**, Kalsoom, U., & Khoo, M.B.C. (2023). New EWMA charts for process variance. Quality and Reliability Engineering International, 39(3), 871–904. Impact Factor 2.2. https://doi.org/10.1002/qre.3264

117. Lee, M.H., Khoo, M.B.C., **Haq, A.**, Wong, M.L.D., & Chew, X.Y. (2023). Synthetic c charts with known and estimated process parameters based on median run length and expected median run length. Quality Technology & Quantitative Management, 20(2), 168–183. Impact Factor 2.3. https://doi.org/10.1080/16843703.2022.2098456

116. **Haq, A.** (2022). Recovering the sensitivity of an auxiliary information based EWMA mean chart. Lobachevskii Journal of Mathematics, 43(9), 2463–2478. Impact Factor 0.7. https://doi.org/10.1134/S1995080222120137

115. **Haq, A.** & Woodall, W.H. (2022). A note on an average run length calculation for the EWMA and other charts. Quality and Reliability Engineering International, 38(8), 4351–4355. Impact Factor 2.3. https://doi.org/10.1002/qre.3214

114. **Haq, A.**, Riasat, R., & Khoo, M.B.C. (2022). New EWMA t charts for process mean. Quality and Reliability Engineering International, 38(8), 4247–4266. Impact Factor 2.3. https://doi.org/10.1002/qre.3205

113. **Haq, A.** & Khoo, M.B.C. (2022). Monitoring multivariate coefficient of variation with individual observations. Quality and Reliability Engineering International, 38(8), 4236–4246. Impact Factor 2.3. https://doi.org/10.1002/qre.3204

112. **Haq, A.** & Khoo, M.B.C. (2022). An adaptive multivariate EWMA mean chart with variable sample sizes and/or variable sampling intervals. Quality and Reliability Engineering International, 38(7), 3322–3341. Impact Factor 2.3. https://doi.org/10.1002/qre.3120

111. **Haq, A.**, Sadia, H., & Khoo, M.B.C. (2022). A parameter-free adaptive EWMA chart with variable sample sizes and variable sampling intervals for the process mean. Journal of Statistical Computation and Simulation, 92(13), 2802–2828. Impact Factor 1.2. https://doi.org/10.1080/00949655.2022.2049268

110. **Haq, A.** (2022). Adaptive MEWMA charts for univariate and multivariate simple linear profiles. Communications in Statistics - Theory and Methods, 51(16), 5383–5411. Impact Factor 0.8. https://doi.org/10.1080/03610926.2020.1839100

109. **Haq, A.**, Bibi, N., Khoo, M.B.C., & Brown, J. (2022). Monitoring the process coefficient of variation without subgrouping. Journal of Statistical Computation and Simulation, 92(9), 1805–1822. Impact Factor 1.2. https://doi.org/10.1080/00949655.2021.2007918

108. Abbas, M., & **Haq, A.** (2022). Estimation of finite population distribution function with auxiliary information in a complex survey sampling. SORT, 46(1), 67–94. Impact Factor 1.6. https://doi.org/10.2436/20.8080.02.118

107. Umar, A.A., Khoo, M.B.C., Saha, S., & **Haq, A.** (2022). Effect of measurement errors on triple sampling $\overline{X}$ chart. Quality and Reliability Engineering International, 38(4), 1886–1908. Impact Factor 2.3. https://doi.org/10.1002/qre.3061

106. **Haq, A.**, Iqbal, S., & Khoo, M.B.C. (2022). A novel EWMA mean chart with its extensions. Quality and Reliability Engineering International, 38(2), 971–988. Impact Factor 2.3. https://doi.org/10.1002/qre.3030

105. **Haq, A.** & Khoo, M.B.C. (2022). A novel partially parameter-free adaptive multivariate EWMA mean chart. Quality and Reliability Engineering International, 38(1), 574–591. Impact Factor 2.3. https://doi.org/10.1002/qre.3002

104. **Haq, A.** & Razzaq, F. (2022). New weighted adaptive CUSUM dispersion charts. Quality and Reliability Engineering International, 38(1), 110–133. Impact Factor 2.3. https://doi.org/10.1002/qre.2960

103. **Haq, A.** (2022). A novel cumulative EWMA-sum mean chart. Quality and Reliability Engineering International, 38(1), 472–483. Impact Factor 2.3. https://doi.org/10.1002/qre.2991

102. **Haq, A.** & Bibi, L. (2022). The dual CUSUM charts with auxiliary information for process mean. Communications in Statistics - Simulation and Computation, 51(1), 164–189. Impact Factor 0.9. https://doi.org/10.1080/03610918.2019.1648824

101. **Haq, A.** & Akhtar, S. (2022). Auxiliary information based maximum EWMA and DEWMA charts with variable sampling intervals for process mean and variance. Communications in Statistics - Theory and Methods, 51(12), 3985–4005. Impact Factor 0.8. https://doi.org/10.1080/03610926.2020.1805766

100. **Haq, A.**, Bibi, M., & Shah, B.A. (2022). A novel approach to monitor simple linear profiles using individual observations. Communications in Statistics - Simulation and Computation, 51(11), 6269–6282. Impact Factor 0.9. https://doi.org/10.1080/03610918.2020.1799229

99. **Haq, A.**, Ejaz, S., & Khoo, M.B.C. (2022). A new double EWMA-t chart for process mean. Communications in Statistics - Simulation and Computation, 51(11), 6556–6571. Impact Factor 0.9. https://doi.org/10.1080/03610918.2020.1805630

98. Khoo, M.B.C., Saha, S., Teh, S.Y., **Haq, A.** & Lee, H.C. (2022). The median control chart for process monitoring in short production runs. Communications in Statistics - Simulation and Computation, 51(10), 5816–5831. Impact Factor 0.9. https://doi.org/10.1080/03610918.2020.1783557

97. Mim, F.N., Khoo, M.B.C., Saha, S., & **Haq, A.** (2022). New run sum t charts with variable sampling intervals for process mean. Communications in Statistics - Simulation and Computation, 51(9), 5350–5372. Impact Factor 0.9. https://doi.org/10.1080/03610918.2020.1770285

96. **Haq, A.** & Khoo, M.B.C. (2021). Enhanced directionally sensitive and directionally invariant MCUSUM and MEWMA charts for process mean. Computers & Industrial Engineering, 161, November, 107635. Impact Factor 7.180. https://doi.org/10.1016/j.cie.2021.107635

95. **Haq, A.**, & Munir, W. (2021). New CUSUM and Shewhart-CUSUM charts for monitoring the process mean. Quality and Reliability Engineering International, 37(8), 3512–3528. Impact Factor 3.007. https://doi.org/10.1002/qre.2930

94. **Haq, A.**, Khoo, M.B.C., Lee, M.H. & Abbasi, S.A. (2021). Enhanced adaptive multivariate EWMA and CUSUM charts for process mean. Journal of Statistical Computation and Simulation, 91(12), 2361–2382. Impact Factor 1.225. https://doi.org/10.1080/00949655.2021.1894564

93. **Haq, A.**, Akhtar, S. & Khoo, M.B.C. (2021). Adaptive CUSUM and EWMA charts with auxiliary information and variable sampling intervals for monitoring the process mean. Quality and Reliability Engineering International, 37(1), 47–59. Impact Factor 3.007. https://doi.org/10.1002/qre.2719

92. **Haq, A.**, Khoo, M.B.C., & Brown, J. (2021). Memory-type t charts with multiple auxiliary information for the process mean. Quality and Reliability Engineering International, 37(8), 3730–3745. Impact Factor 3.007. https://doi.org/10.1002/qre.2946

91. **Haq, A.**, Ejaz, S., Lee, M.H., & Khan, M. (2021). A new double EWMA-t chart with auxiliary information for the process mean. Quality and Reliability Engineering International, 37(8), 3381–3394. Impact Factor 3.007. https://doi.org/10.1002/qre.2923

90. **Haq, A.**, Sohrab, K., & Khoo, M.B.C. (2021). Directionally sensitive weighted adaptive multivariate CUSUM mean charts. Quality and Reliability Engineering International, 37(6), 2970–2988. Impact Factor 3.007. https://doi.org/10.1002/qre.2900

89. **Haq, A.** & Khoo, M.B.C. (2021). Memory-type control charts with multiple auxiliary information for process mean. Quality and Reliability Engineering International, 37(6), 2348–2364. Impact Factor 3.007. https://doi.org/10.1002/qre.2861

88. **Haq, A.**, Bibi, M., & Brown, J. (2021). Monitoring multivariate simple linear profiles using individual observations. Journal of Statistical Computation and Simulation, 91(17), 3573–3592. Impact Factor 1.225. https://doi.org/10.1080/00949655.2021.1943665

87. **Haq, A.** & Sohrab, K. (2021). Directionally sensitive MCUSUM mean charts. Quality and Reliability Engineering International, 37(5), 2169–2188. Impact Factor 3.007. https://doi.org/10.1002/qre.2851

86. **Haq, A.** & Syed, E.A. (2021). New CUSUM and dual CUSUM mean charts. Quality and Reliability Engineering International, 37(4), 1355–1372. Impact Factor 3.007. https://doi.org/10.1002/qre.2799

85. Saha, S., Khoo, M.B.C., Castagliola, P., & **Haq, A.** (2021). Side-sensitive modified groups runs charts with and without measurement errors for monitoring the coefficient of variation. Quality and Reliability Engineering International, 37(2), 598–617. Impact Factor 3.007. https://doi.org/10.1002/qre.2751

84. Ayyoub, H.N., Khoo, M.B.C., Lee, M.H., & **Haq, A.** (2021). Monitoring multivariate coefficient of variation with upward Shewhart and EWMA charts in the presence of measurement errors using the linear covariate error model. Quality and Reliability Engineering International, 37(2), 694–716. Impact Factor 3.007. https://doi.org/10.1002/qre.2757

83. Abbasi, S., & **Haq, A.** (2020). New adaptive CUSUM charts for process mean. Communications in Statistics - Simulation and Computation, 49(11), 2944–2962. Impact Factor 1.118. https://doi.org/10.1080/03610918.2018.1530786

82. **Haq, A.** & Razzaq, F. (2020). Maximum weighted adaptive CUSUM charts for simultaneous monitoring of process mean and variance. Journal of Statistical Computation and Simulation, 90(16), 2949–2974. Impact Factor 1.424. https://doi.org/10.1080/00949655.2020.1793154

81. **Haq, A.**, Bibi, N., & Khoo, M.B.C. (2020). Enhanced EWMA charts for monitoring the process coefficient of variation. Quality and Reliability Engineering International, 36(7), 2478–2494. Impact Factor 2.885. https://doi.org/10.1002/qre.2710

80. **Haq, A.** & Khoo, M.B.C. (2020). Multivariate process dispersion monitoring without subgrouping. Journal of Applied Statistics, 47(9), 1652–1675. Impact Factor 1.404. https://doi.org/10.1080/02664763.2019.1688262

79. **Haq, A.** & Abidin, Z.U. (2020). An enhanced GWMA chart for process mean. Communications in Statistics - Simulation and Computation, 49(4), 847–866. Impact Factor 1.118. https://doi.org/10.1080/03610918.2018.1484479

78. **Haq, A.**, Munir, T., & Shah, B.A. (2020). Dual multivariate CUSUM charts with auxiliary information for process mean. Quality and Reliability Engineering International, 36(3), 861–875. Impact Factor 2.885. https://doi.org/10.1002/qre.2604

77. Umar, A.A., Khoo, M.B.C., Saha S., **Haq, A.** (2020). A combined variable sampling interval and double sampling control chart with auxiliary information for the process mean. Transactions of the Institute of Measurement and Control, 42(6), 1151–1165. Impact Factor 1.796. https://doi.org/10.1177/0142331219885525

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Peer Review Activity

1. **Member of Editorial Board:** Quality Engineering; Measurement: Interdisciplinary Research and Perspectives.

2. **Reviewer:** Computers & Industrial Engineering; Quality and Reliability Engineering International; Quality Engineering; Applied Stochastic Models in Business and Industry; Environmental and Ecological Statistics; Pharmaceutical Statistics; IEEE Access; Journal of Statistical Computation and Simulation; Quality Technology & Quantitative Management; Journal of Applied Statistics; Journal of Testing and Evaluation; Mathematical Methods in Applied Sciences; Communications in Statistics (Theory and Methods, Simulation and Computation); Scientia Iranica; PLOS ONE; Journal of Official Statistics; Stat; Ain Shams Engineering Journal; Journal of Computational and Applied Mathematics; Concurrency and Computation: Practice and Experience; Sociological Methods & Research; Measurement: Interdisciplinary Research and Perspectives; Scientific Reports; Mathematical Problems in Engineering; Mathematical Population Studies: An International Journal of Mathematical Demography; Mathematics; Journal of Probability and Statistics; Thailand Statistician; Sankhya B; Hacettepe Journal of Mathematics and Statistics; Journal of the Chinese Institute of Engineers; Stochastics and Quality Control; Journal of Industrial and Production Engineering; Advances in Mathematical Physics; Computational and Mathematical Methods in Medicine; Journal of Mathematics; Electronic Journal of Applied Statistical Analysis; Pakistan Journal of Statistics; Computers, Materials & Continua; Computer Systems Science and Engineering; Journal of Modern Applied Statistical Methods.

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