

Abdul Haq

Curriculum Vitae

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📍 Department of Statistics, Quaid-i-Azam University, Islamabad, Pakistan
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📄 <https://www.semanticscholar.org/author/A.-Haq/9246433>

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

Assoc. Prof. Sep (23rd) 2021 to date Department of Statistics (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; High dimensional data; Machine Learning and/or AI.

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.

PhD Thesis under Supervision

3. M. Rabia (2020). Weighted adaptive CUSUM charts for monitoring process parameters (in progress).
2. W. Munir (2019). Control charts for monitoring time-between-events (in progress).
1. Z. Batool (2016). Control charts for monitoring count data (in progress).

ISI Research Publication

153. **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>
152. **Haq, A.** (2024). Evaluating multivariate charts: A first-to-signal criterion approach. *Quality and Reliability Engineering International*, early access. <https://doi.org/10.1002/qre.3669>
151. Mahwish, R. & **Haq, A.** (2024). A weighted dual cumulative sum chart for monitoring the process mean. *Quality and Reliability Engineering International*, early view. <https://doi.org/10.1002/qre.3663>
150. **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>
149. **Haq, A.**, Woodall, W.H. & Steiner, S.H. (2024). A study of attribute control charts for censored lifetime data. *Quality Engineering*, early access. <https://doi.org/10.1080/08982112.2024.2375612>
148. **Haq, A.** & Woodall, W.H. (2024). A critique on the use of the belief statistic for process monitoring. *Quality and Reliability Engineering International*, early access. <https://doi.org/10.1002/qre.3573>
147. Batool, Z. & **Haq, A.** (2024). An adaptive EWMA chart for Poisson process. *Quality Technology & Quantitative Management*, early view. <https://doi.org/10.1080/16843703.2024.2304958>
146. 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. <https://doi.org/10.1002/qre.3636>
145. **Haq, A.** & Woodall, W.H. (2024). Extended GWMA control charts: A critical evaluation. *Quality and Reliability Engineering International*, 40(7), 4104–4110. <https://doi.org/10.1002/qre.3624>
144. **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. <https://doi.org/10.1002/qre.3543>
143. **Haq, A.** (2024). A new sampling scheme for an improved monitoring of the process mean. *Measurement: Interdisciplinary Research and Perspectives*, 22(3), 268–279. <https://doi.org/10.1080/15366367.2023.2257902>
142. **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. <https://doi.org/10.1080/15366367.2023.2247618>
141. **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. <https://doi.org/10.1080/03610918.2022.2092142>
140. **Haq, A.** & Khoo, M.B.C. (2024). A near-optimal CUSUM- t chart. *Quality and Reliability Engineering International*, 40(4), 2116–2121. <https://doi.org/10.1002/qre.3516>
139. **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. <https://doi.org/10.1134/S1995080224600444>
138. **Haq, A.** (2024). Dynamic probability control limits for the adaptive multivariate EWMA chart. *Quality and Reliability Engineering International*, 40(4), 2067–2077. <https://doi.org/10.1002/qre.3509>
137. **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. <https://doi.org/10.1080/16843703.2023.2193769>
136. 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. <https://doi.org/10.1080/08982112.2023.2212751>
135. **Haq, A.** (2024). Beyond the EWMA chart: critiquing hybrid approaches. *Quality and Reliability Engineering International*, 40(3), 1361–1368. <https://doi.org/10.1002/qre.3471>

134. **Haq, A.** (2024). A critical note on memory-type charts with the Brownian statistic. *Quality and Reliability Engineering International*, 40(3), 1302–1310. <https://doi.org/10.1002/qre.3467>
133. **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. <https://doi.org/10.1002/qre.3469>
132. **Haq, A.** (2024). An EWMA sign chart for monitoring processes with fixed and variable sample sizes. *Stat*, 13(1), e652. <http://dx.doi.org/10.1002/sta4.652>
131. **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. <https://doi.org/10.1080/00949655.2023.2259536>
130. 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. <https://doi.org/10.1080/03610918.2022.2108054>
129. **Haq, A.** & Syed, E.A. (2024). Enhanced CUSUM and dual CUSUM mean charts. *Communications in Statistics - Theory and Methods*, 53(6), 1906–1941. <https://doi.org/10.1080/03610926.2022.2116285>
128. **Haq, A.** and Khoo, M.B.C. (2023). Weighted adaptive CUSUM mean chart with variable sample size and sampling interval. *Communications in Statistics - Simulation and Computation*, early view. <https://doi.org/10.1080/03610918.2023.2286923>
127. **Haq, A.** (2023). An adaptive EWMA mean chart in the presence of outliers. *Quality Technology & Quantitative Management*, early view. <https://doi.org/10.1080/16843703.2023.2257988>
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 \bar{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>
76. **Haq, A.** & Khoo, M.B.C. (2020). Memory-type multivariate charts with fixed and variable sampling intervals for process mean when covariance matrix is unknown. *Quality and Reliability Engineering International*, 36(1), 144–160. Impact Factor 2.885. <https://doi.org/10.1002/qre.2564>
75. **Haq, A.** (2020). A nonparametric EWMA chart with auxiliary information for process mean. *Communications in Statistics - Theory and Methods*, 49(5), 1232–1247. Impact Factor 0.893. <https://doi.org/10.1080/03610926.2018.1554140>
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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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