Feel the noise: A statistical journey through the resolution of a low frequency noise issue

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Abstract
In nature, low frequency noise (LFN) exposure is typically short term and often serves as a warning (e.g., thunder). Modern society has sources of LFN that are pervasive, leading to prolonged exposures to this stressor which the WHO refers to as an invisible toxin. I will discuss some of the challenges and successes of a project to remediate LFN. My interest in LFN research began six years ago due to some health issues. I was very fortunate to be able to join a team of acoustical and mechanical engineers to help design and implement a solution. The fact that everyone experiences sound differently along the clash between experimental design and practical considerations of operating a central heating plant added to the complexity. In collaboration with the institution, I took the lead on writing the RFP that was used to hire two acoustical engineering firms to assess and remediate the source of the LFN. My talk will cover statistical aspects of the journey to a successful resolution of the LFN issue.

ADA: Individuals requiring accommodations, please contact Doreen Taylor at (802) 656-3166