

**DESIGN AND IMPLEMENTATION OF A WEB-BASED RADIO AUDIENCE MEASUREMENT SYSTEM**

**BY**

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# INTRODUCTION

## BACKGROUND OF THE STUDY

The classical view of audience measurenment is the estimation of the number of viewers who are tuned to a particular TV program or channel, or the number of listeners who are tuned to a particular radio program or channel. Audience measurement takes into account, the behaviour of the audience as well as its demographics. Direct and indirect methods of measurement are used and, usually, results from a carefully chosen sample are extrapolated to produce figures for the whole population. Audience research is an important aspect of television and radio production broadcasting as well as newer forms of media material. Internet, IPTV, mobile phones, and personal computers are all examples of delivery methods. Audience measurement can be used for everything from self-promotion to fine-tuning a service[1].

One of the solutions that audience measuring technologies strive to bring about is content consumption measurement. One of the most common approaches used by service providers or broadcasters to get important data for improving service offerings or setting advertising rates is to evaluate content consumption. Its uses are much broader than that. Without accurate audience data, many firms may be reluctant to join in the new delivery platforms.

First launched in the late 1940's soon after the start of commercial broadcasting, the audience measurements allowed radio broadcasting business to flourish through networks which offered advertisers, who paid for the estimated number of ears listening on commercials, a way to quantify the financial value of radio audiences. The first measuring techniques had several limitations because the acquisition of reliable, large-scale data was costly. Despite the limitations, standards for measurement remained largely unchanged for years until the explosion of digitally accessible data resulted in such devices as cable boxes, video on demand boxes and cell phone as well as web apps, internet browser clicks, web queries, and social media activities. Radio listeners now leave digital footprints that may be used to follow practically every part of their everyday lives, enabling large-scale aggregation across data sources for individual users and groups, as well as tracking of more individuals on more dimensions for more programs. Data is now more substantial, real-time, and less expensive to get, allowing for precise and fine-grained radio audience monitoring.

## MOTIVATION FOR THE STUDY

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