WaltzAnalytics
Predicting BallRoom Dance Movements

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Motivation
We identify *figures* in BallRoom Dance, like Waltz, and provide this to the audience, who wish to form a deeper connection with the performances.

Detect → Interpret → Predict
We detect movements through smart watches attached to each couple. Inertial Measurement Units (IMUs) are used to form movement graphs. We run the movement graphs through our testing algorithm.

Prediction Accuracy Rate: 93% (That’s Sublime I Know!)

My Job → REST
REpresentational State Transfer
Main Goal: Web Server Security
Additional Goals: Design and UI
Platforms: Cpanel, Python, Flask

Skills Learned
Back-end and Front-end WebDev
Research Methodology
Importance of Security
Collaboration on Projects

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