Energy

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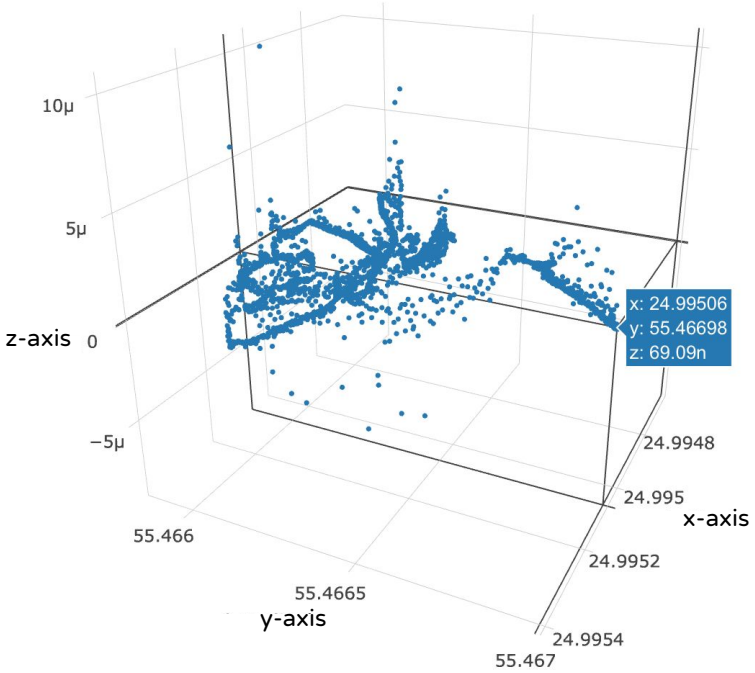
$$z = \int_{longitude_i}^{longitude_{i+1}} \int_{latitude_i}^{latitude_{i+1}} accel(z)dxdy$$



$$d = \sum_{i=1}^{n} \sqrt{(x_i - x_{i+1})^2 + (y_i - y_{i+1})^2 + (z_i - z_{+1})^2}$$

$$F = m * a \qquad W = F * d$$

$$1 - (\sum_{i=1}^{n} W)/(MAX \sum_{i=1}^{n} W) = EnergyLeft$$

*Aggregate historical game data to determine player's **max capacity***
*View player's current performance **relative** to individual max capacity*

Warning sign

Stagnating energy levels

Coaches can make data-driven decisions on who to keep in the game, who to sub out, or who needs to work harder