Journal Citation Report
Impact Factor Calculation

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Introduction

- **Journal Citation Report (JCR)**
  - Quantitative tool for ranking, evaluating, categorizing and comparing journals.

- **Impact Factor (IF)**
  - Used in evaluating or comparing a journal's relative importance to others in the same field.
  - Represents the frequency with which an average article from a journal is cited in a particular year.
The journal Impact Factor is the average number of times articles from the journal published in the past two years have been cited in the JCR year. E.g. for 2011:

\[
\begin{align*}
\text{Cites in 2011 to items published in:} & \quad 2010 = 59 \\
& \quad 2009 = 62 \\
& \quad \text{Sum:} \quad 121 \\
\text{Number of items published in:} & \quad 2010 = 51 \\
& \quad 2009 = 38 \\
& \quad \text{Sum:} \quad 89 \\
\end{align*}
\]

\[
\text{Calculation:} \quad \frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{121}{89} = 1.360
\]