Riemann Sums April 23, 2021

1 | Slicing into Rectangles

The general idea of Riemann sums is to slice a curve into vertical non-overlapping rectangles to approximate the area between the curve and the x-axis. This can be expressed mathematically as a summation given the function f(x), the range [a,b], and the number of rectangles n:

$$\sum_{k=1}^{n} \frac{1}{n} f()$$

- 2 | Area Interpretation
- 3 | Upper and Lower Bound
- 4 | the Definite Integral

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