



بيان المعادلات المستخدمة لاحتساب معايير الأداء والمخاطر

A description of formulas utilized for assessing performance and risk measures

<p><b>Standard deviation</b></p>	$\sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}}$ <p><math>x_i</math> = Value of the <math>i^{th}</math> point in the data set  <math>\bar{x}</math> = The mean value of the data set  <math>n</math> = The number of data points in the data set</p>	<p>الانحراف المعياري</p>
<p><b>Sharp indicator</b></p>	$\frac{R_p - R_f}{\sigma_p}$ <p><math>R_p</math> = return of portfolio  <math>R_f</math> = risk-free rate  <math>\sigma_p</math> = standard deviation of the portfolio's excess return</p>	<p>مؤشر شارب</p>
<p><b>Tracking error</b></p>	<p><i>Standard Deviation of (P - B)</i></p> <p>Where P is portfolio return and B is benchmark return.</p>	<p>خطأ التتبع</p>
<p><b>Beta</b></p>	$\frac{\text{Covariance}(R_e, R_m)}{\text{Variance}(R_m)}$ <p><math>R_e</math> = the return on an individual stock  <math>R_m</math> = the return on the overall market</p>	<p>بيتا</p>
<p><b>Alpha</b></p>	<p>ALPHA = Portfolio Return – Benchmark Return</p>	<p>ألفا</p>