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Statistical Method in Finance (5261)
      Home Work 2 KI CHZN YC3S56
b Exercise Due

(a) slli=213% S 51 = 15% P12 = 0.17

1 1/2=4.5% S 51 = 11% E(PP) = WUI + (1-W)1/2
     Since we want to achieve 370 rate of experted return:
                3% = Wx 213% + (1-W) x 45%
            => W= 68,18182%.
 A we put 68.18182% portolio to the first risky asset
               31.81818 90 portolio to the sound risky asset.
(b) Gr = W2 G2 + (1-W)2 G2 + 2W(1-W) P12 G1 G2
    Here, we get: (V55%)2 = W2(V5%)2+(+W)(V118)2+ZW(+W)017×J6%×J118
               => SW1 = 0.9404 there are two possible solution
                       7 W2 = 0.4108
  a Solution one: $ 94.04% purtolio should be given to first nisty asset 5.96% purtolio should be given to Second nisky asset
  2 Solution two: 5 41.08% partolio should be given to first risky asset
   To find the Larget expect veturn:
     for solution one: E(Rp) = 94.048x 2.3% + 5.968x 4.5% = 2,43%.
     for sound solution: E(Rp) = 41.08% x213% + 35.92% x415% = 3596%.
 1 Solution Two has largest expect return (2.596%)
          portolio is sw = 41.08% -> first risky asset
                     7 1-W= 58,92% -> Sound risky asset
Since we want the standard deviation of our return to be 5% 

\Rightarrow \forall FRP = 5\% = W \times 67 = W \times 7\% \Rightarrow W = \frac{5\%}{7\%} = 71.43\%
   Thus: 5 71.43% proportion of my capital should put in to risky asset
            where $ 71.43% x 65% = 46.43% should be given to C

71.43% x 35% = 25% should be given to D.

28.57% proportion of my capital should put into nisk-free asset
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