

# Third time's the charm...

P(chosen 3x in a row)=1/12\*1/12\*1/12=0.00058

### Types of investments we could value using Marriott's WACC

There are two requirements that should be satisfied before using Marriott's WACC to evaluate prospective

- westments:
   The investment opportunity must have the same systemic risk as Marriott as a whole.
   The investment must have a similar leverage level to Marriott as a whole.

### Summary of Case

Marriott Corporation is made up of three divisions:

- 1. Lodging
- 2. Restaurants 3. Contract Services

They are looking for the cost of capital for each of

rate affect the company over time?

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### Cost of Capital for Marriott as a whole

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# Marriott Corporation: The Cost of Capital

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## Summary of Case

Marriott Corporation is made up of three divisions:

- 2. Restaurants
- 3. Contract Services

They are looking for the cost of capital for each of their divisions.

### How would using a single corporation hurdle rate affect the company over time?

As different divisions have different systemic risks and leverage levels, using a single corporation hurdle rate to evaluate investment opportunities would be inappropriate. Risk for the whole corporation would be lower than the risk for the single project because risk for the whole corporation is more diversified.

- · If hurdle rate is too low, more projects will be accepted.
- · If hurdle rate is too high, fewer projects will be accepted.

This could ultimately result in investments which are not aligned with

### Cost of Capital for Each Division Scenario 1: Equal weighting for comparable company betas

- (\*\* 1 p) . Mar- 27560 2586\*7 47/6-15 24%

### Scenario 2: Revenue-based weighting

- $\begin{array}{ll} p_{2}^{+} & 0.4413; \; p_{3}^{+} & 0.8486 \\ r_{2} & = r_{3}^{0} p_{3}^{0} M00^{2} + 8.05\%; \; 0.4113^{+}7.4394 + 12.0086; \\ r_{2} & = r_{3}^{0} + p_{3}^{0} + M00^{2} + 8.72\% + 0.8486^{+}7.4394 + 15.02396 \end{array}$
- $f_2 = f_2^{\alpha} f_3^{\alpha} = 1800^{\circ}$   $f_3^{\alpha} = 1800^{\circ}$   $f_3^$

Cost of Capital for Marriott as a whole

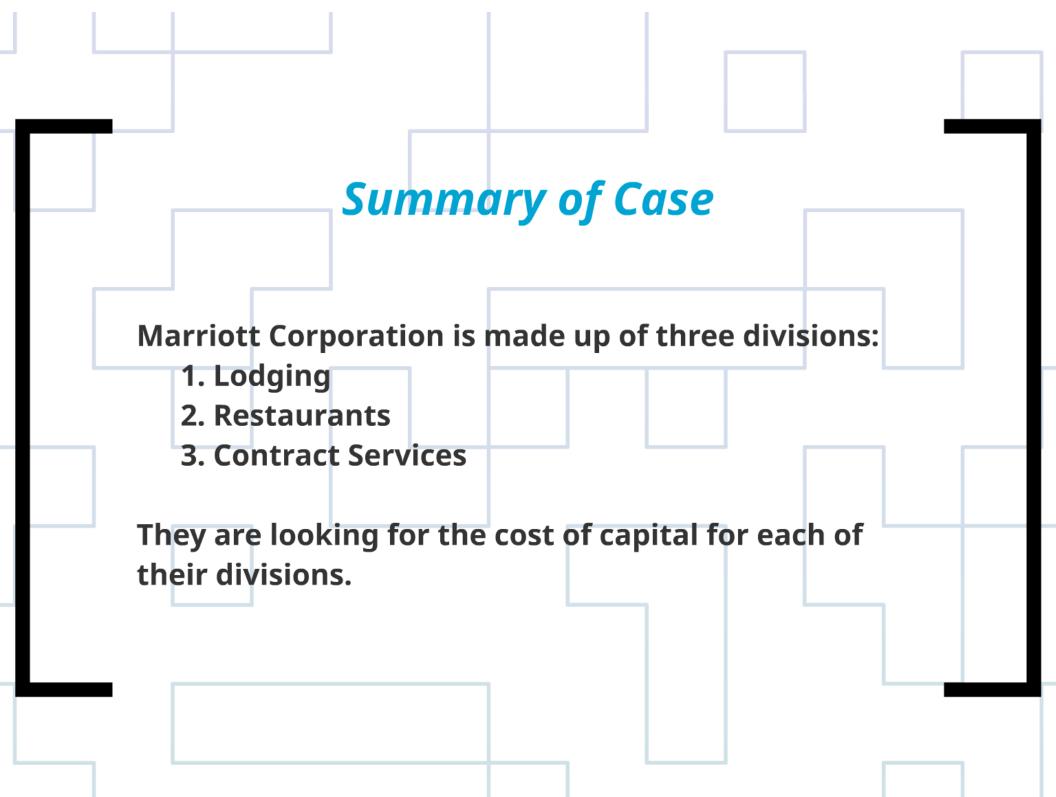
To find the cost of capital, we use the following information:

 $r_M^D = r_\ell^{10} + \beta_M^D + MRP = 8.95\% + 0.7.43\% = 8.95\%$ 

 $r_M^E = r_i^{90} + \beta_M^E + MRP = 8.95\% + 1.11*7.43\% = 17.20\%$ 

 $=\frac{D}{D-E} * r_M^D + \frac{E}{D-E} * r_M^E = 41\%*8.95\%+59\%*17.20\%-13.82\%$ 

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