

Cognitive process:

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3. **group_by()** the limiting nutrient, ***then***
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5. **mutate()** to round r to two digits, ***then***
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The old way:

```
arrange(  
  mutate(  
    summarize(  
      group_by(  
        filter(ydat, bp=="leucine biosynthesis"),  
        nutrient),  
      r=cor(rate, expression)),  
    r=round(r, 2)),  
  r)
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The dplyr way:

```
ydat %>%  
  filter(bp=="leucine biosynthesis") %>%  
  group_by(nutrient) %>%  
  summarize(r=cor(rate, expression)) %>%  
  mutate(r=round(r,2)) %>%  
  arrange(r)
```