Permutation Test

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```
otu_log_mat = t(apply(preprocess_mat(infiles[3]), 1, log_transform))
genus_log_mat = t(apply(preprocess_mat(infiles[2]), 1, log_transform))
family_log_mat = t(apply(preprocess_mat(infiles[1]), 1, log_transform))

mapping_maria = load_data_table('mapping_maria_BL.txt')

dependent = as.factor(mapping_maria$Persistence)
acc_1 = permutation_test(otu_log_mat, dependent, num_permutations = 10)
```

```
## Warning in Ops.factor(y, result$predicted): '-' not meaningful for factors

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```
acc_2 = permutation_test(genus_log_mat, dependent, num_permutations = 10)
```

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## Warning in Ops.factor(y, result$predicted): '-' not meaningful for factors

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```
acc_3 = permutation_test(family_log_mat, dependent, num_permutations = 10)
```

```
## Warning in Ops.factor(y, result$predicted): '-' not meaningful for factors

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## Warning in Ops.factor(y, result$predicted): '-' not meaningful for factors
```

```
print(acc_1)
```

```
##  [1] 0.4090909 0.5000000 0.5454545 0.5909091 0.5909091 0.3636364 0.5000000
##  [8] 0.5454545 0.4545455 0.5000000
```

```
print(acc_2)
```

```
##  [1] 0.5000000 0.5909091 0.5454545 0.5909091 0.5000000 0.5909091 0.8636364
##  [8] 0.4090909 0.5000000 0.4090909
```

```
print(acc_3)
```

```
##  [1] 0.4545455 0.5454545 0.5000000 0.3636364 0.4090909 0.5000000 0.5000000
##  [8] 0.5000000 0.5909091 0.5454545
```