# Ex. Learning NB

| W1 | W2 | ..... | Class |
|---|---|---|---|
| The | Deal | | Spam |
| Free | $$ | | Spam |
| Dear | Joe | | Ham |
| $$ | Free | | Spam |
| Hello | Fred | | Ham |
| Fred | Hello | | Ham |
| Dear | Fred | | Ham |
| Dear | Winner | | Spam |
| Free | Firewood | | Ham |
| Hello | Winner | | Spam |

P(Ham) = 1/2     P(Hello|Ham) = 2/5     P(Free|Ham) = 1/5     P(Dear|Ham) = 2/5

P(Spam) = 1/2     P(Hello|Spam) = 1/5     P(Free|Spam) = 2/5     P(Dear|Spam) = 1/5