

# Test Design – Content Classification (DFAs)

📁 Materia	📖 <u>Discretas 3</u>
⚙️ Estado	Lista

## Content Classification (DFAs) – Test Design

### Goals

- DFAs detect **hate**, **offensive**, **spam** ( $\geq 2$  links or  $\geq 3$  hashtags). Integrative-Task1-2025-2\_CyED3

### Function Under Test

`classify(text) → ClassificationReport` (and indirectly `categorize` ).

### Test Matrix

ID	Scenario	Input	Expected
D1	Offensive keyword	you are stupid	offensive=True , hate=False , spam=False
D2	Offensive with punctuation/case	IDIOT! stop that	offensive=True (punctuation stripped before keyword check)
D3	Hate placeholder (classroom-safe)	this is slur1	hate=True
D4	Spam by links	go http://a.com http://b.com #wow	spam=True , counts.links == 2
D5	Spam by hashtags	#a #b #c hello	spam=True , counts.hashtags == 3
D6	Below thresholds	visit http://a.com #a #b ok	spam=False
D7	Mixed-language	oye bro, you are idiot 😊	offensive=True ; same result after .upper()
D8	Edge: empty	" "	all flags False