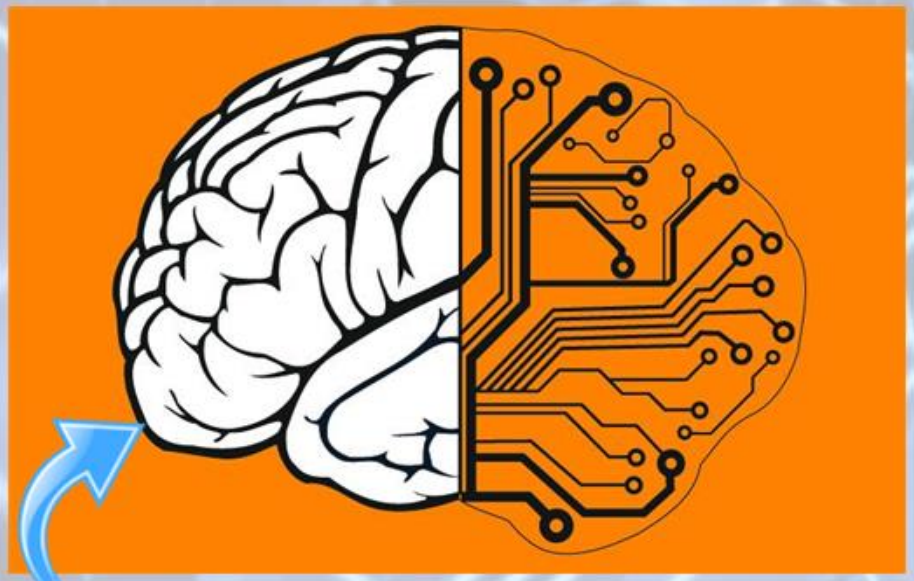


Deane-Fuller Quotient

What to fear?

"GOOD AI" vs. "BAD AI"

Super-intelligence in near-term future

Two key scales:

1) Impact on Human Safety

Driverless cars, Robot Surgery, Weapon/Defense Systems, Power grids, Traffic Systems

2) Interaction by Humans

Human overrides, Dashboards, Exception reporting, Alert systems, Logging

Augmented/assistive technologies vs. autonomous/ unattended

AI on a Scale

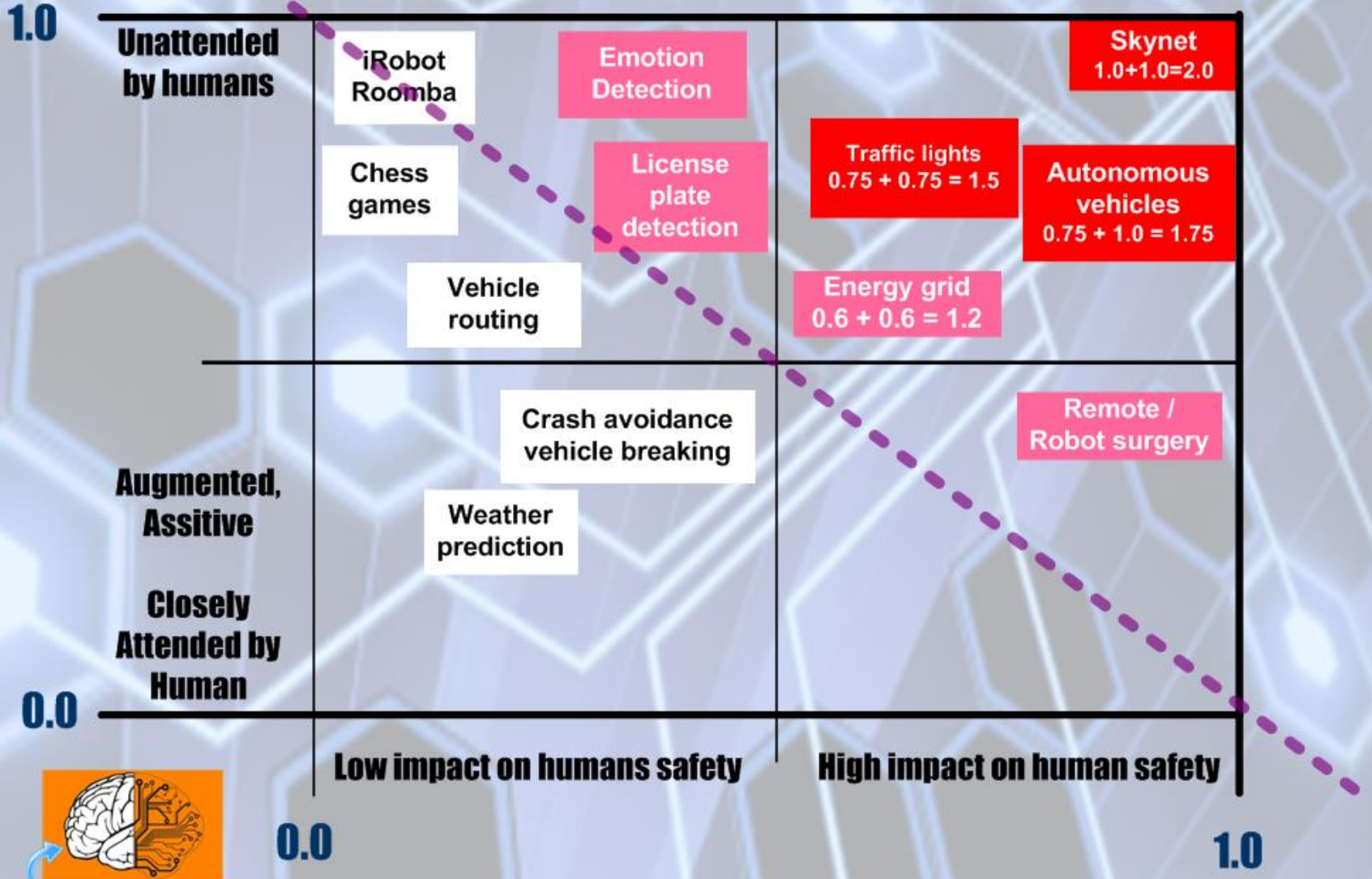
"Dry AI"

Unattended by humans	Chess Emotion Detection License plate detection iRobot Roomba Vehicle routing	Traffic lights Skynet Energy grid Autonomous vehicles
Augmented, Assitive **Closely Attended by Human**	Crash avoidance vehicle breaking Weather prediction	Remote / Robot surgery
	**Low impact on humans safety**	**High impact on human safety**

"Wet AI"

Intervention + Impact = Wet-to-Dry Quotient

If W2D quotient > 1.0 too "Dry", make "Wetter"



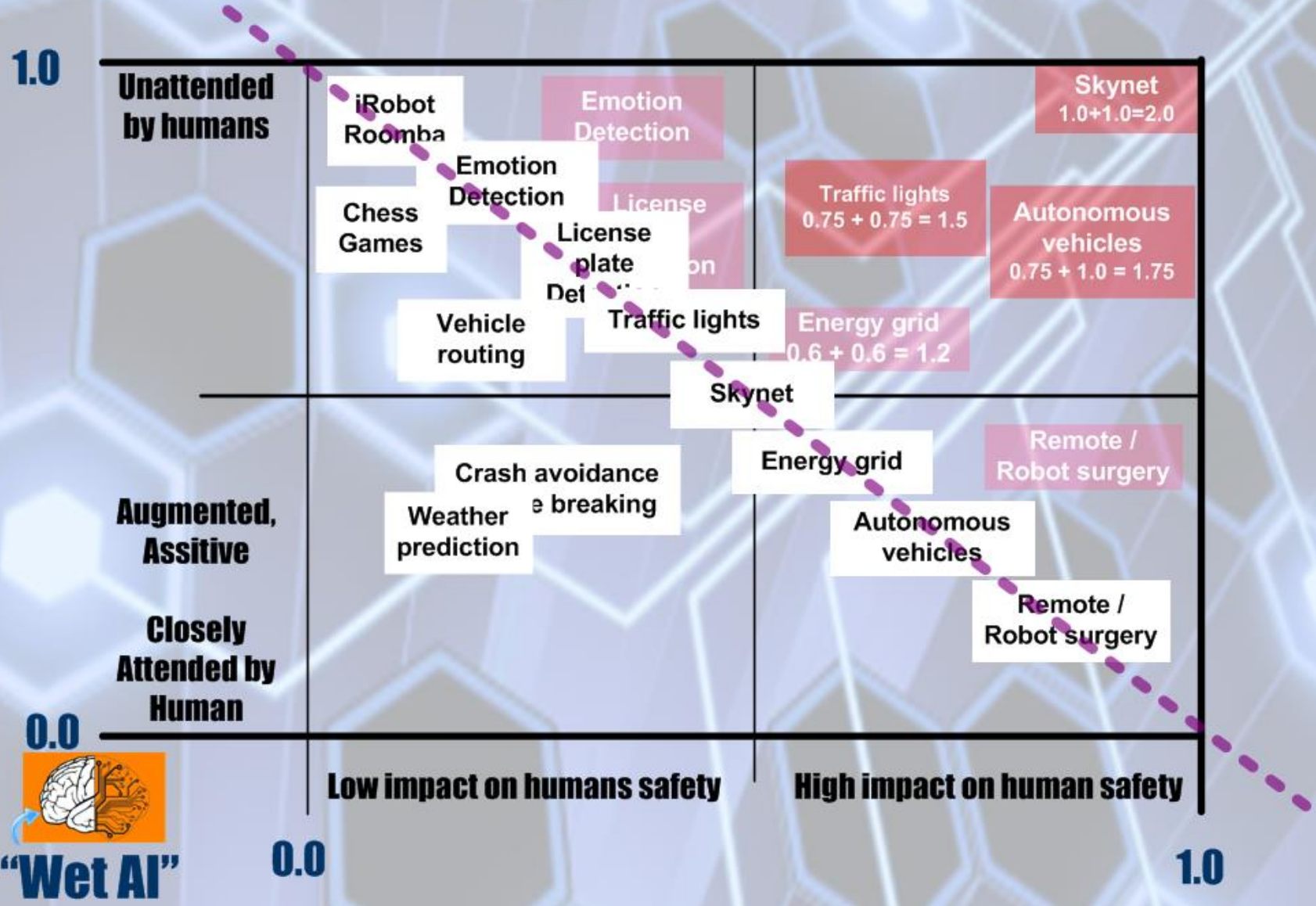
"Wet AI"

Deane-Fuller Quotient = Human Intervention + Automation Impact

If DFQ > 1.0, then introduce Human interventions

Increase "wetness":

- Human overrides
- Logging/insights Automated systems (big data)
- Dashboards
- Exception reporting



Questions?

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