

Table 1: The Scott-Knott ranks (*r*), and the mean and std, denoted as Mean (std), and the green cells denote the one with the best rank over all the approaches.

Dataset	AQ		AQHP		AQSB		AQLB		ADF		ADFP		ADFSB		ADFLB		EIDG		EIDGHP		EIDGSB		EIDGLB		
	metric	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)	r	Mean (std)		
BANK	DSA	3	70.84 (0.21)	3	70.77 (1.90)	1	74.05 (0.65)	2	73.01 (1.16)	2	72.98 (0.23)	3	71.02 (1.73)	1	74.31 (0.47)	2	72.64 (0.78)	2	73.32 (0.26)	4	67.70 (1.97)	1	74.03 (0.61)	2	72.87 (0.90)
	LSA	4	54.33 (0.29)	4	54.53 (2.76)	2	57.52 (1.19)	2	57.82 (2.03)	3	56.59 (0.39)	4	54.74 (2.90)	4	57.92 (1.36)	1	59.37 (2.00)	3	56.56 (0.15)	3	56.45 (1.86)	2	58.01 (1.06)	1	59.76 (1.68)
	NC	3	71.31 (0.20)	4	64.02 (1.27)	1	74.14 (1.73)	3	71.06 (2.69)	2	71.46 (0.31)	4	63.89 (0.94)	1	74.52 (1.19)	3	69.04 (3.04)	2	71.67 (0.16)	4	63.71 (0.90)	1	74.21 (2.39)	3	68.86 (2.80)
	NBC	3	10.13 (0.31)	4	9.38 (1.58)	3	10.11 (1.52)	1	15.69 (1.04)	3	10.93 (0.20)	4	9.14 (1.82)	2	12.84 (0.94)	1	15.88 (1.32)	3	10.59 (0.29)	3	10.83 (1.82)	2	12.47 (1.52)	1	15.97 (1.03)
	SNAC	3	15.31 (0.21)	4	12.99 (1.33)	3	15.55 (0.71)	1	19.55 (0.59)	3	15.11 (0.08)	4	12.88 (2.06)	4	15.23 (0.54)	2	18.37 (0.37)	3	15.36 (0.24)	4	13.09 (1.70)	3	15.33 (0.58)	2	18.57 (0.64)
ADULT	DSA	2	75.43 (0.15)	5	69.23 (1.74)	3	72.73 (0.92)	1	77.72 (1.35)	2	75.08 (0.21)	4	70.73 (1.14)	3	72.68 (0.78)	1	77.40 (0.90)	2	75.10 (0.32)	4	70.51 (0.98)	2	75.59 (0.72)	1	77.32 (0.80)
	LSA	2	61.63 (0.27)	5	53.04 (3.04)	3	58.41 (0.60)	1	64.77 (1.70)	2	61.46 (0.28)	4	55.47 (0.77)	3	58.88 (0.57)	1	65.04 (1.70)	2	61.56 (0.18)	4	55.41 (0.92)	2	61.96 (0.59)	1	64.96 (2.03)
	NC	3	71.08 (0.31)	4	69.42 (3.20)	2	76.01 (1.02)	2	74.47 (1.38)	4	69.32 (0.15)	3	70.94 (3.29)	1	76.02 (1.08)	2	74.66 (1.42)	3	71.28 (0.17)	2	70.79 (2.22)	1	74.87 (1.56)		
	NBC	4	10.62 (0.35)	3	11.71 (1.11)	4	10.60 (1.78)	1	19.04 (1.04)	3	11.95 (0.45)	2	13.03 (2.31)	3	11.36 (1.53)	1	18.84 (1.43)	2	13.50 (0.24)	2	13.57 (1.60)	3	11.36 (1.73)	1	18.82 (1.25)
	SNAC	4	15.98 (0.17)	3	17.96 (1.47)	1	19.50 (0.91)	3	17.69 (0.66)	2	18.41 (0.16)	4	16.16 (2.23)	2	18.45 (0.89)	3	17.45 (0.75)	3	17.51 (0.20)	4	16.27 (1.94)	2	18.76 (0.79)	3	17.46 (0.92)
CREDIT	DSA	3	76.69 (0.18)	3	76.93 (1.44)	2	77.86 (1.33)	4	74.16 (1.02)	3	76.48 (0.11)	2	77.91 (1.62)	1	81.65 (0.89)	3	76.52 (1.26)	2	78.08 (0.46)	2	77.89 (2.55)	1	81.85 (0.87)	3	76.84 (1.10)
	LSA	3	59.13 (0.25)	3	59.45 (1.86)	2	65.72 (0.57)	4	57.25 (2.40)	3	60.03 (0.23)	2	65.91 (0.98)	1	69.29 (0.77)	3	60.00 (2.20)	2	66.01 (0.18)	2	66.29 (1.32)	1	69.44 (0.98)	3	59.58 (2.26)
	NC	3	74.71 (0.25)	1	80.01 (2.77)	3	75.13 (1.22)	4	73.03 (0.37)	3	74.94 (0.32)	1	80.22 (2.61)	2	77.82 (1.29)	3	74.81 (0.58)	3	74.78 (0.27)	1	80.41 (2.76)	2	77.97 (1.09)	3	74.84 (0.55)
	NBC	3	14.38 (0.13)	3	14.65 (1.87)	3	14.45 (2.02)	2	22.50 (1.16)	3	14.45 (0.27)	3	14.78 (2.04)	2	18.59 (1.94)	1	22.44 (1.13)	3	14.53 (0.31)	2	18.88 (2.30)	2	18.71 (1.64)	1	21.68 (1.13)
	SNAC	3	20.37 (0.31)	2	22.52 (2.72)	4	18.70 (0.76)	2	22.43 (0.81)	3	20.13 (0.28)	2	22.74 (2.45)	4	18.31 (0.81)	1	24.09 (0.81)	3	20.48 (0.32)	2	22.52 (2.08)	4	21.32 (0.79)	1	24.61 (0.60)
GERMAN	DSA	3	71.07 (0.23)	4	69.39 (2.08)	2	75.79 (0.90)	1	81.40 (1.28)	3	71.27 (0.32)	4	68.86 (2.20)	2	75.28 (0.68)	1	81.09 (1.03)	3	71.43 (0.20)	4	68.80 (1.56)	2	75.04 (0.96)	1	81.46 (1.45)
	LSA	3	57.87 (0.23)	4	55.45 (2.61)	2	61.00 (0.58)	1	63.92 (1.27)	3	57.99 (1.32)	4	55.78 (3.26)	2	60.89 (0.57)	1	64.19 (0.95)	3	57.95 (0.24)	2	55.52 (2.26)	2	60.83 (0.60)	1	63.80 (1.10)
	NC	4	65.71 (0.19)	5	63.80 (2.82)	3	69.94 (1.29)	2	71.90 (1.13)	3	69.63 (0.17)	4	65.44 (2.35)	3	69.52 (0.91)	2	71.74 (0.90)	3	69.39 (0.25)	4	65.79 (2.66)	2	71.35 (1.05)	1	74.06 (1.11)
	NBC	4	10.45 (0.21)	2	15.14 (2.07)	3	12.98 (1.26)	2	15.55 (1.46)	4	10.01 (0.22)	2	15.28 (1.49)	3	13.59 (1.47)	3	13.26 (1.32)	3	13.13 (0.21)	1	17.44 (2.28)	3	12.92 (1.03)	2	17.66 (0.91)
	SNAC	3	14.77 (0.21)	2	21.13 (1.92)	1	22.06 (0.54)	3	14.90 (1.25)	3	14.61 (0.22)	2	20.81 (2.42)	1	22.31 (0.93)	3	14.50 (1.17)	2	20.61 (0.21)	2	20.85 (2.59)	2	20.43 (1.10)	3	17.56 (1.05)
COMPAS	DSA	3	75.47 (0.26)	4	70.63 (1.76)	1	78.10 (0.67)	3	75.93 (1.99)	2	77.39 (0.34)	4	70.14 (2.59)	2	77.84 (0.65)	3	75.59 (1.88)	2	77.52 (0.19)	3	75.52 (1.85)	1	78.22 (0.63)	3	75.03 (1.87)
	LSA	3	57.10 (0.33)	4	54.10 (0.97)	1	65.33 (0.78)	3	57.20 (1.44)	2	62.00 (0.40)	4	54.01 (1.04)	2	62.48 (0.83)	3	57.42 (1.61)	2	62.24 (0.19)	3	57.34 (1.26)	1	65.34 (0.79)	3	57.09 (1.38)
	NC	2	74.91 (0.14)	4	69.27 (2.44)	1	78.07 (1.05)	3	71.59 (1.14)	2	74.89 (0.20)	3	71.49 (3.06)	1	78.47 (1.00)	3	71.54 (0.95)	2	74.96 (0.16)	3	71.02 (3.40)	2	75.26 (1.28)		
	NBC	4	12.16 (0.26)	3	14.31 (1.73)	3	14.11 (1.01)	2	16.42 (1.48)	4	12.03 (2.24)	3	14.37 (2.31)	2	16.53 (0.70)	1	18.67 (1.50)	3	14.02 (0.33)	3	14.39 (2.01)	2	16.85 (1.04)	1	18.32 (1.08)
	SNAC	4	17.35 (0.26)	2	19.61 (1.81)	2	19.79 (0.68)	1	22.48 (2.38)	3	18.23 (0.33)	2	19.65 (2.13)	2	19.75 (0.31)	1	22.11 (1.83)	2	19.56 (0.40)	3	18.30 (2.64)	2	19.64 (0.43)	2	19.58 (1.90)
LAW SCHOOL	DSA	4	56.88 (0.20)	5	54.09 (1.30)	3	61.57 (2.88)	2	65.79 (1.29)	4	56.32 (0.29)	5	54.65 (1.36)	3	61.75 (2.48)	2	65.44 (0.91)	3	61.52 (0.41)	4	56.90 (1.36)	2	65.19 (2.77)	1	69.71 (1.05)
	LSA	4	64.57 (0.26)	5	62.11 (2.52)	3	66.41 (0.78)	2	69.27 (2.05)	4	64.73 (0.20)	5	62.50 (1.62)	3	66.28 (0.94)	2	69.16 (1.61)	3	66.03 (0.33)	4	64.50 (2.39)	3	69.15 (0.72)	1	72.65 (1.59)
	NC	3	77.99 (0.29)	4	73.69 (3.35)	4	73.69 (3.35)	3	78.10 (0.49)	2	79.51 (0.83)	4	73.10 (3.80)	2	79.29 (0.66)	1	82.95 (1.02)	3	78.29 (0.20)	4	73.52 (3.03)	2	79.54 (0.65)	1	82.93 (0.69)
	NBC	3	16.59 (0.25)	1	22.71 (1.66)	2	20.80 (1.15)	3	16.25 (1.13)	3	16.50 (0.20)	3	16.21 (2.23)	1	22.48 (0.89)	2	20.42 (1.33)	3	16.47 (0.24)	3	16.65 (1.94)	2	20.38 (1.12)	2	20.64 (1.08)
	SNAC	4	16.93 (0.37)	3	19.44 (2.56)	3	19.63 (1.01)	1	23.74 (1.51)	4	16.90 (0.26)	3	19.98 (2.40)	2	22.51 (1.33)	3	23.72 (1.38)	3	19.94 (0.37)	3	19.96 (2.95)	2	22.84 (1.25)	2	22.43 (1.37)
STUDENT	DSA	3	68.03 (0.18)	2	61.08 (1.36)	4	56.91 (1.42)	4	57.07 (1.05)	2	69.51 (0.31)	2	69.14 (0.89)	4	57.58 (1.17)	3	68.47 (1.00)	2	69.50 (1.17)	1	72.85 (0.93)	4	57.16 (1.45)	3	68.31 (0.73)
	LSA	3	65.96 (0.38)	2	69.74 (2.71)	4	60.61 (1.00)	4	60.88 (1.26)	2	70.04 (0.26)	2	69.91 (1.94)	4	60.47 (0.75)	3	65.32 (1.66)	2	70.20 (0.29)	1	73.85 (1.56)	4	60.59 (0.89)	3	65.82 (1.42)
	NC	2	70.62 (0.20)	2	70.19 (2.32)	4	65.54 (0.77)	3	68.53 (1.44)	2	70.50 (0.14)	2	70.55 (2.44)	4	65.27 (0.51)	3	68.79 (1.50)	1	73.87 (0.13)	2	70.34 (1.83)	4	65.59 (0.75)	3	68.46 (1.03)
	NBC	4	10.47 (0.21)	3	12.18 (1.80)	1	16.60 (0.95)	3	14.69 (0.58)	3	11.80 (0.27)	3	11.86 (1.79)	1	16.79 (0.91)	2	14.68 (0.91)	2	14.97 (0.20)	3	12.09 (1.77)	1	16.27 (0.83)	2	14.79 (0.82)
	SNAC	3	16.85 (0.30)	2	19.41 (2.54)	3	17.00 (0.83)	1	20.07 (0.80)	3	16.93 (0.29)	2	19.86 (2.46)	3	17.08 (0.68)	2	19.80 (0.89)	3	17.16 (0.32)	3	17.39 (2.88)	4	15.17 (0.67)	2	19.21 (1.19)
CRIME	DSA	2	71.85 (0.14)	4	65.38 (0.90)	3	68.33 (1.02)	1	73.69 (0.49)	2	72.02 (0.15)	4	65.98 (0.56)	3	68.82 (0.91)	2	72.10 (0.66)	2	72.16 (0.30)	4	65.45 (0.87)	3	68.46 (0.95)	1	73.40 (0.65)
	LSA	2	70.13 (0.32)	4	65.68 (2.44)	3	67.97 (0.46)	1	71.93 (2.43)	2	69.99 (0.32)	4	65.16 (1.51)	3	68.09 (0.63)	2	70.32 (2.25)	2	70.51 (0.22)	4	65.05 (1.64)	3	68.32 (0.48)	1	71.74 (2.23)
	NC	3	70.43 (0.36)	4	68.55 (1.59)	1	76.07 (1.21)	1	72.70 (2.13)	3	70.46 (0.32)	4	68.45 (2.33)	1	75.69 (1.95)	2	72.83 (1.56)	2	73.02 (0.17)	3	70.67 (2.54)	1	72.98 (2.30)		
	NBC	3	15.60 (0.30)	4	14.7																				