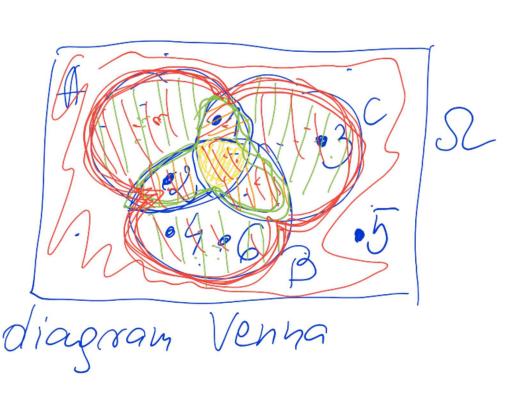
RACHUNEK PRAWDOPODOBIEŃSTWA I STATYSTYKA – Rozwiązania zadań z Zestawu nr 1 – 2-3/10/2020 Loid a) dos W. loso ve = reut kostkæ $S2 = \{4,2,3,4,5,69\}$ b) das 4. losolve = menty tos Huz Too pieruszej "szóstki" $S=\frac{1}{2}0,1,2,3,...$ $SZ = \frac{5}{5}G_1 26_1 226_1 ...$ dos4-losore = possience usloroisa ha pennej stali $SZ = \{ k \in [0, 360] \}$

dos w. loso we = rut kostleg I ad/ 52=51,2,3,4,5,69 A = 21,29 $B = \begin{cases} 2,4,69 - \text{wynnceaux panyský} \\ C = \begin{cases} 21,3 \end{cases}$ C = 51,3= podrbion SZ Zagnenia douniadaeure boione 48 rystlie PLAUB) dahenia elementane str. 2 Janevia (losow

A=51,23 9531 - nie pigka B= \$2,4,6} C= { 1,3} AnB = [2] ilocrym sbionow = zachodni A i B $BUC = 91,2,3,4,63 = 52 \ 1559 = 153!$ Suma shionow = prymorjamniej jeolino ZB_1C resulto $An \S Buc\S' = \S 1,2\S n \S 5\S = \emptyset$ - 2 danence memorlie



Zad3 A-zachodi A Al-nie 2aclodit = A \ Buc} AnBnC = An Bac zadodro jedwares nie trongste str. 4

prynagninej tedho P 2 mich zachodii Au15uC =YAUBUCZ - LAUBUCZI

Zoid 4 dos w. los. = poolejscie ob epr. a) $\Omega = \{2, 3, 4, 5, 6\}$ 2 #52 = 16 rdaner b) A = 2 dal egz B = Mie, 2 dat egz, C = 2 dat pomzej 3 AVB = R - podesu do est A \B = A - zdar est. BIC = 6 - mie dostat ocery 8 - 52 = 4 - 2dateg? ME 29840 B

 $(\{23\}) = P(\{33\}) = P(\{43\}) = P(\{55\}) = \frac{1}{4}$ $SL = \S 2, 3, 4, 55$ A A A A jedualiono prenda poda A= 53,4,53-2dal epz $\Upsilon(A) = 7$ Schemat #4=5, #2-6 P(A') = 1 - P(A)

Zads dos4. lodole = mylosou anie 2 ulitado 4 2 6 12=500,00,00 me so jedhalion proudolprolote 1) 1- 5

A-hims dustraije 113 priez pouts B- 11-7 ad 10 P(A) = 0.3 P(13) = 0.4AB- 11- prer poorts i Internet P(AnB) = 0,15 Man Distriction of the second ANB = (AUB) = SL\ (AUB)

Éadue 2 nich rechools P ((ALB)) = P (SAUBG') = = 1 - P(AUB) = = 1 - (0.3 + 0.4 - 0.15) = A0.55 = 0.45

P(AUB)=P(A)+P(B)-P(AnB)

str. 9

Zaol 9 P(c) = 0.25P(D) = 0.45P(CnD) = 0.1 $P((C \mid D)) = ?$ Mie zachodii (i zachodii) CAD=D\C=D\SCAD9 P(CID)=P(D\ scnD3)= = P(D) - P(CD) ==0,45-0,1=0,30rat.