

		video	slides	pages	quizzes	exercises	computing assignments		
	Prerequisites				Q0a				
	Brief intro (JADe)	<i>FIM and classification basics</i>			Q0b, Q2.1	Ex1.1, Ex1.2	CA1 Tasks 1–2		
<b>I: Classification variants</b>	Introduction	}	partIa	1–14	2–19				
	Multi-class learning			14–20	20–40	Q1.1, Q2.1			
	Rare-class learning			20–27	41–50	Q1.2, Q2.1			
	Ensemble methods			27–42	51–77	Q1.3, Q1.4	CA1 Tasks 3–4		
<b>II: Classification – Different paradigms</b>	Introduction	}	partIIa	1–3	2–9				
	Semi-supervised learning			3–30	10–82	Q2.1–Q2.3	Ex2.1		
	Active learning			30–48	83–112	Q2.4	Ex2.2		
<b>III: Mining Streams</b>	Data stream paradigm	}	partIIIa	1–8	2–15	Q3.1, Q3.2			
	Synopsis data structures			<i>Sampling</i>	8–14	16–35		Ex3.2	
				<i>Quality bounds</i>	15–24	36–52	Q3.3	Ex3.1, Ex3.3	
		<i>Massive domain scenario</i>	partIIIb	25–39	53–94	Q3.4–Q3.7	Ex3.4		
	Classification	partIIIc	40–54	95–118		CA4 Paper 1			
				54–60	119–128		CA4 Paper 2		
<b>Intro Temporal Data</b>	Mining temporal data		partIntroTemp	1–17	2–32	Q4.1	Ex4.1		
<b>IV: Mining Sequences</b>	Distances		partIVa	18–36	33–59	Q4.2	Ex4.2		
	Frequent pattern mining		partIVb	36–47	60–83	Q4.3	Ex4.3	CA2	
	Markov models	<i>Markov Chains</i>	}	partIVc	47–56	84–98	Q4.5, Q4.6	Ex5.4	
					<i>Hidden Markov Models (HMM)</i>	57–71	99–127	Q4.5, Q4.7	Ex5.4
<b>V: Mining Time-Series</b>	Data preparation		}	partVa	1–20	2–36	Q5.1	Ex5.1	
	Transforms	<i>Discrete wavelet trans. (DWT)</i>			20–28	37–69	Q5.1	Ex5.3	CA3
		<i>Discrete Fourier trans. (DFT)</i>			29–33	70–88	Q5.1	Ex5.2	CA3
	Models for time-series				33–58	89–150			
<b>VI: Spatial Data</b>			partVIa	1–31	2–64	Q6.1–Q6.4	Ex6.1, Ex6.2	CA5	
<b>VII: Outlier Analysis</b>	Basics		partVIIa	1–59	2–99	Q7.1	Ex7.1		
	High-dimensional data	}	partVIIb	59–75	100–116	Q7.2	CA4 Paper 3		
	Temporal data			75–86	117–134	Q7.2	CA4 Paper 4		