14	**(i)**	***A***	the cumulative frequencies have been plotted against the mid-points of the class intervals,	**B1**	**2.4**		
			mis-plotting [at centre of each class] reduces estimate (by 2.5) oe	**B1** **[2]**	**2.4**		

Question			Answer	Marks	AOs	Guidance	
		B	grouped data has been used grouping has slightly reduced the error introduced by misplotting (because the error is less than 2.5)	**B1** **B1** **[2]**	**2.4** **2.4**	or eg Hodge used the graph (instead of the raw data)	
14	**(ii)**		percentage unemployment is often estimated oe	**E1** **[1]**	**2.4**	allow data (on percentage unemployment) is not available for all countries **in Europe** oe	
14	**(iii)**		there are many other countries in the pre-release material; it is very unlikely that a random sample would only include European countries.	**E1** **[1]**	**2.4**		
14	**(iv)**		negative correlation / association (may be embedded) comparison of *p*-value with 0.05 or 0.01 or other appropriate significance level and supporting comment	**B1** **B1** **[2]**	**2.2b** **2.2b**	if **B0B0** allow **SC2** for eg comment on no significant association justified by comparison of *p*-value with appropriate significance level (eg 0.025)	
14	**(v)**		(even though this is interpolation), the scatter / weak correlation / presence of an outlier would suggest that the use of of a line of best fit is inappropriate	**E1** **[1]**	**2.2b**	allow explanation based on the value for Kosovo being an outlier or on it lying in the (large) gap in the scatter	